GTX300082

Mitochondrial Marker Antibody Panel

References (2)

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX101105	Prohibitin antibody	Human, Mouse, Rat	WB, ICC/IF, IHC-P, IP	25 µl
GTX110089	HSP60 antibody	Human, Mouse, Rat, Zebrafish, Drosophila, Hamster	WB, ICC/IF, IHC-P, ELISA	25 µl
GTX114187	VDAC1 antibody [N1C2]	Human, Mouse, Rat	WB, ICC/IF, IHC-P	25 µl
GTX213110-01	Goat Anti-Rabbit IgG antibody (HRP)	Rabbit	WB, IHC-P, ELISA	25 µl
GTX638209	Cytochrome C antibody [HL2205]	Human, Mouse, Rat, Cat	WB, ICC/IF, IHC-P	25 µl
GTX638316	COX4 antibody [HL2264]	Human, Mouse, Rat, Zebrafish	WB, ICC/IF, IHC-P	25 µl

Note

For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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Prohibitin antibody

Cat. No. GTX101105

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse, Rat

References (8)

Review (1)

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	1:100-1:500

Not tested in other applications.

Calculated MW 30 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.6 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Prohibitin. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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Note

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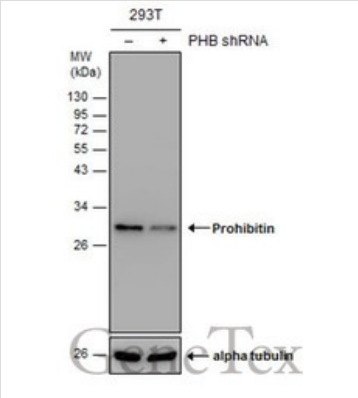
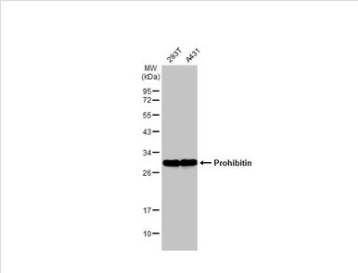
DATA IMAGES



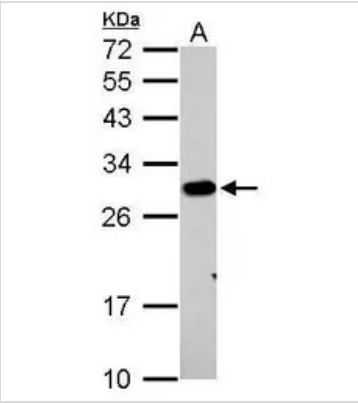
GTX101105 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Prohibitin antibody (GTX101105) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX101105 WB Image

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Prohibitin antibody (GTX101105) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX101105 WB Image

Prohibitin antibody detects PHB protein by western blot analysis.
A. 30 µg PC-12 whole cell lysate/extract
12% SDS-PAGE
Prohibitin antibody (GTX101105) dilution: 1:1000
The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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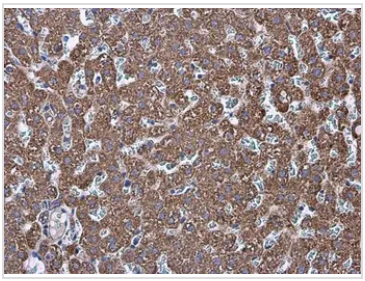
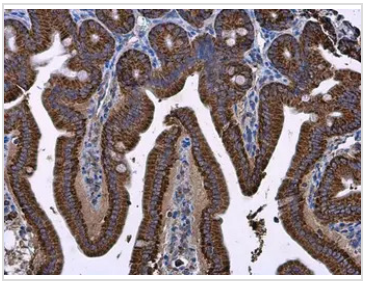


GTX101105 IHC-P Image

Prohibitin antibody detects Prohibitin protein at cytoplasm in rat liver by immunohistochemical analysis.
Sample: Paraffin-embedded rat liver.
Prohibitin antibody (GTX101105) diluted at 1:500.

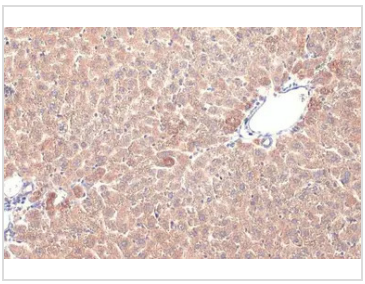
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX101105 IHC-P Image

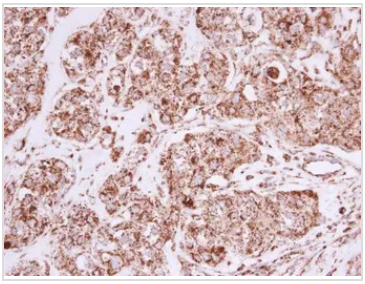
Prohibitin antibody detects Prohibitin protein at cytoplasm in mouse intestine by immunohistochemical analysis.
Sample: Paraffin-embedded mouse intestine.
Prohibitin antibody (GTX101105) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX101105 IHC-P Image

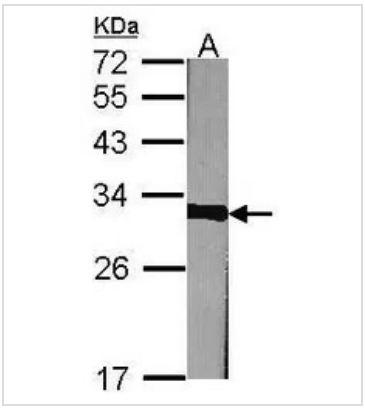
Prohibitin antibody detects Prohibitin protein at mitochondria by immunohistochemical analysis.
Sample: Paraffin-embedded mouse liver.
Prohibitin stained by Prohibitin antibody (GTX101105) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX101105 IHC-P Image

Prohibitin antibody detects Prohibitin protein at mitochondria in human breast carcinoma by immunohistochemical analysis.
Sample: Paraffin-embedded human breast carcinoma.
Prohibitin antibody (GTX101105) diluted at 1:500.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTX101105 WB Image

Sample (30 µg of whole cell lysate)
A:NIH-3T3
12% SDS PAGE
GTX101105 diluted at 1:1000
The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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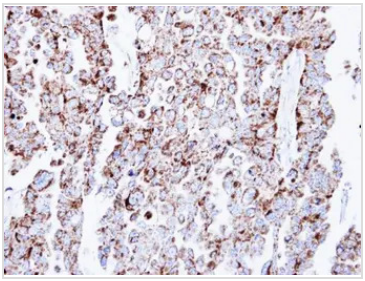
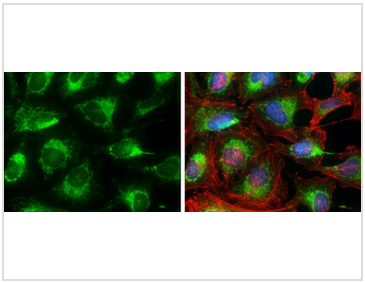


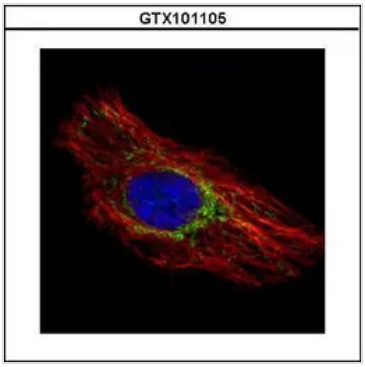
GTX101105 IHC-P Image

Immunohistochemical analysis of paraffin-embedded OVCAR3 xenograft, using Prohibitin(GTX101105) antibody at 1:500 dilution.
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



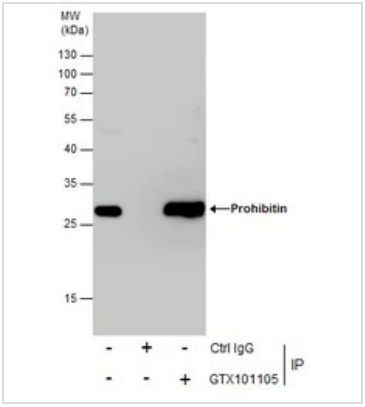
GTX101105 ICC/IF Image

Prohibitin antibody detects Prohibitin protein at mitochondria by immunofluorescent analysis.
Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: Prohibitin protein stained by Prohibitin antibody (GTX101105) diluted at 1:500.
Red: Phalloidin, a cytoskeleton marker, diluted at 1:100.
Blue: Hoechst 33342 staining.



GTX101105 ICC/IF Image

Confocal immunofluorescence analysis (Olympus FV10i) of methanol-fixed HeLa, using Prohibitin(GTX101105) antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with GTX11304 (Red) at 1:2000.



GTX101105 IP Image

Immunoprecipitation of Prohibitin protein from 293T whole cell extracts using 5 µg of Prohibitin antibody (GTX101105).
Western blot analysis was performed using Prohibitin antibody (GTX101105).
EasyBlot anti-Rabbit IgG (GTX221666-01) was used as a secondary reagent.

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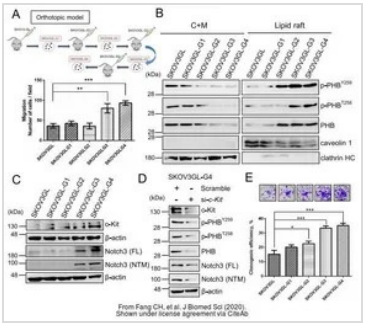
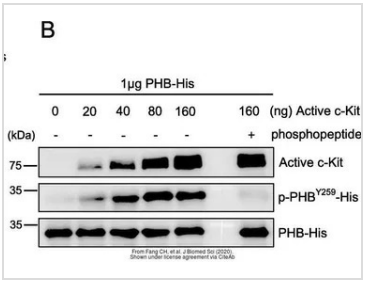


GTX101105 WB Image

The data was published in the journal J Biomed Sci in 2020.PMID: 32169072



GTX101105 WB Image

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HSP60 antibody

Cat. No. GTX110089

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, ELISA
Reactivity	Human, Mouse, Rat, Zebrafish, Drosophila, Hamster

References (28)

Review (4)

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:5000-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
ELISA	Assay dependent

Not tested in other applications.

Calculated MW 61 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.3 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human HSP60. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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Note

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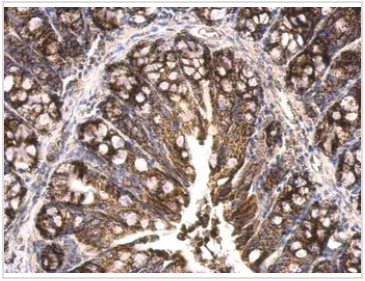
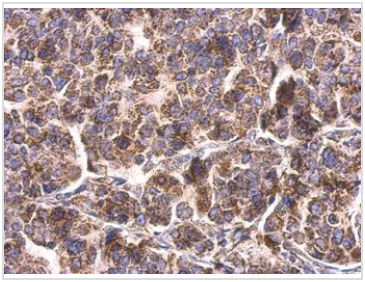
DATA IMAGES



GTX110089 IHC-P Image

HSP60 antibody detects HSP60 protein at mitochondrion on mouse colon by immunohistochemical analysis.
Sample: Paraffin-embedded mouse colon.
HSP60 antibody (GTX110089) dilution: 1:500.

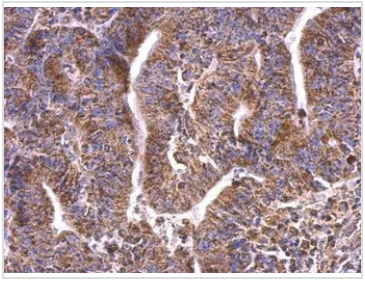
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTX110089 IHC-P Image

HSP60 antibody detects HSP60 protein at mitochondria on human breast carcinoma by immunohistochemical analysis.
Sample: Paraffin-embedded human breast carcinoma.
HSP60 antibody (GTX110089) dilution: 1:500.

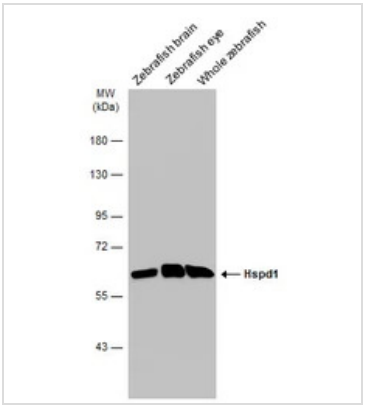
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTX110089 IHC-P Image

HSP60 antibody detects HSP60 protein at mitochondria on human colon carcinoma by immunohistochemical analysis.
Sample: Paraffin-embedded human colon carcinoma.
HSP60 antibody (GTX110089) dilution: 1:500.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTX110089 WB Image

Various tissue extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with HSP60 antibody (GTX110089) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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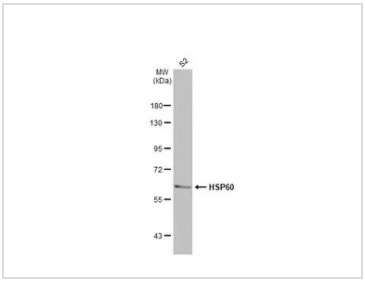
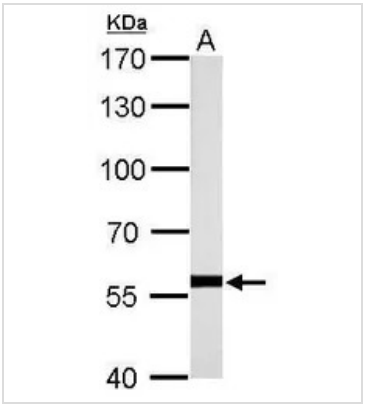


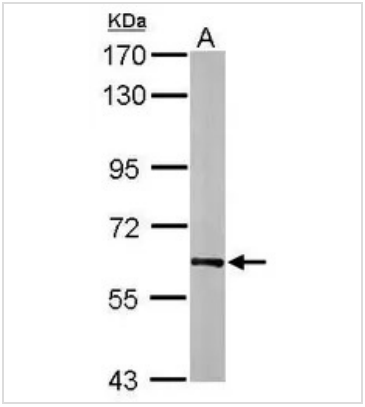
GTX110089 WB Image

Whole cell extract (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with HSP60 antibody (GTX110089) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.
Drosophila Hsp60A is the homolog of mammalian Hsp60. (Gene ID: 32045/ UniProt: O02649)



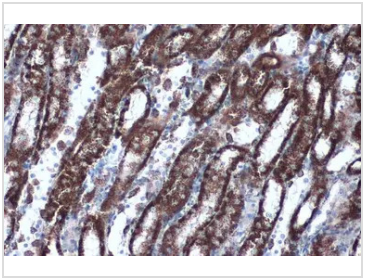
GTX110089 WB Image

HSP60 antibody detects HSPD1 protein by western blot analysis.
A. 50 µg rat brain lysate/extract
7.5% SDS-PAGE
HSP60 antibody (GTX110089) dilution: 1:10000
The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX110089 WB Image

Sample (20 µg of whole cell lysate)
A: mouse brain
7.5% SDS PAGE
GTX110089 diluted at 1:20000
The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX110089 IHC-P Image

HSP60 antibody detects HSP60 protein at mitochondria by immunohistochemical analysis.
Sample: Paraffin-embedded rat kidney.
HSP60 stained by HSP60 antibody (GTX110089) diluted at 1:1000.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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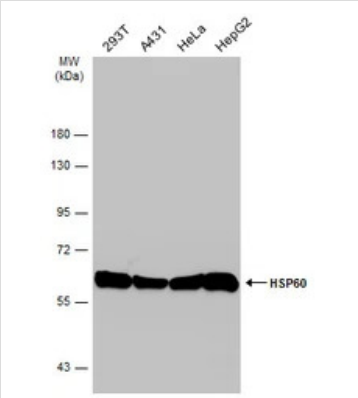
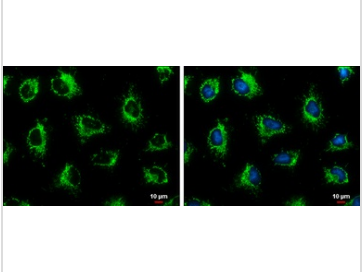


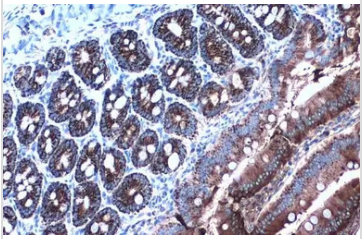
GTX110089 WB Image

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with HSP60 antibody (GTX110089) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



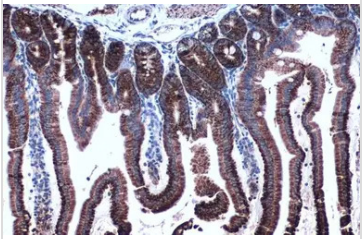
GTX110089 ICC/IF Image

HSP60 antibody detects HSP60 protein at mitochondria by immunofluorescent analysis.
Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.
Green: HSP60 protein stained by HSP60 antibody (GTX110089) diluted at 1:500.
Blue: Hoechst 33342 staining.
Scale bar = 10 µm.



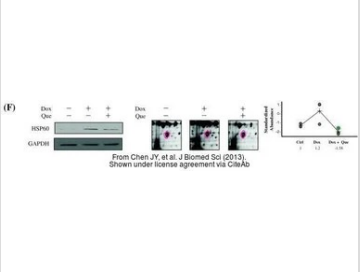
GTX110089 IHC-P Image

HSP60 antibody detects HSP60 protein at mitochondria by immunohistochemical analysis.
Sample: Paraffin-embedded rat duodenum.
HSP60 stained by HSP60 antibody (GTX110089) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX110089 IHC-P Image

HSP60 antibody detects HSP60 protein at mitochondria by immunohistochemical analysis.
Sample: Paraffin-embedded mouse intestine.
HSP60 stained by HSP60 antibody (GTX110089) diluted at 1:1000.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX110089 WB Image

The data was published in the journal J Biomed Sci in 2013. PMID: 24359494

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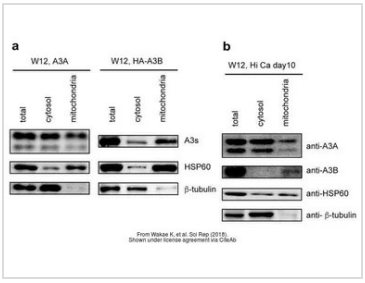
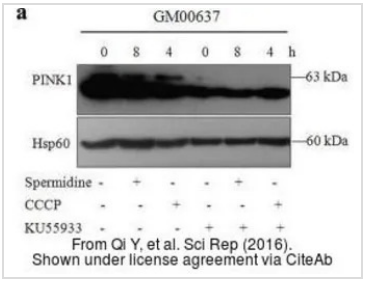


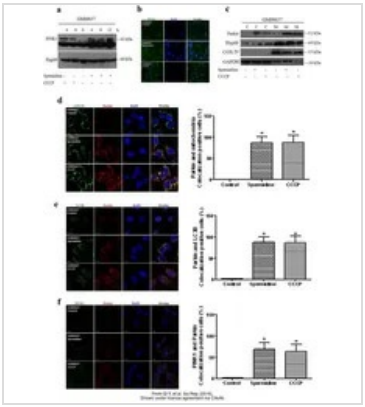
GTX110089 WB Image

The data was published in the journal Sci Rep in 2018. PMID: 29950685



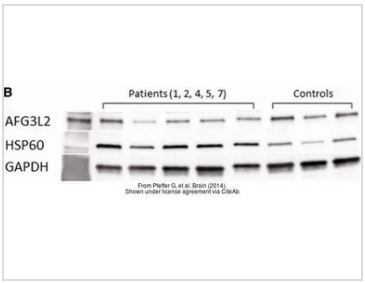
GTX110089 WB Image

The data was published in the journal Sci Rep in 2016. PMID: 27089984



GTX110089 WB Image

The data was published in the journal Sci Rep in 2016. PMID: 27089984



GTX110089 WB Image

The data was published in the journal Brain in 2014. PMID: 24727571

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VDAC1 antibody [N1C2]

Cat. No. GTX114187

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P
Reactivity	Human, Mouse, Rat

References (24)

Review (2)

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IHC-P	1:100-1:1000

Not tested in other applications.

Calculated MW 31 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1.46 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human VDAC1. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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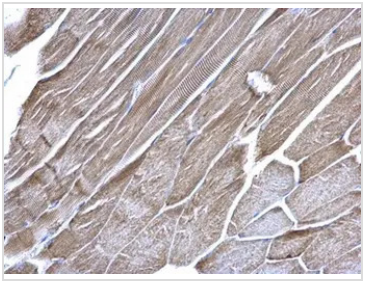
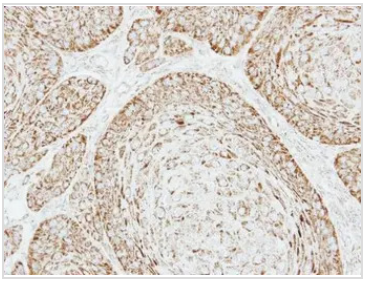


GTX114187 IHC-P Image

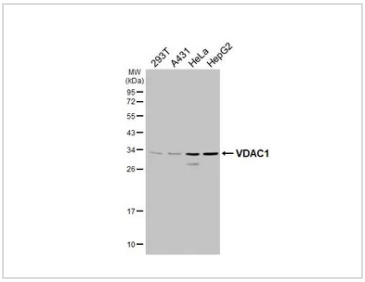
VDAC1 antibody [N1C2] detects VDAC1 protein at mitochondria on mouse muscle by immunohistochemical analysis.
Sample: Paraffin-embedded mouse muscle.
VDAC1 antibody [N1C2] (GTX114187) dilution: 1:500.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



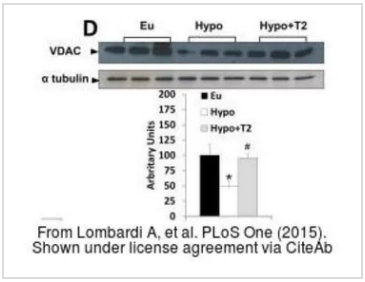
GTX114187 IHC-P Image

Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using VDAC1(GTX114187) antibody at 1:500 dilution.
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTX114187 WB Image

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with VDAC1 antibody [N1C2] (GTX114187) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX114187 WB Image

The data was published in the journal PLoS One in 2015.PMID: 25658324

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Goat Anti-Rabbit IgG antibody (HRP)

Cat. No. GTX213110-01

Host	Goat
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IHC-P, ELISA
Reactivity	Rabbit

References (668)
Package
1 ml

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:5000-1:20000
IHC-P	1:100-1:1000
ELISA	1:5000-1:20000

Not tested in other applications.

Properties

Form	Liquid
Buffer	0.05M Tris, 0.15M NaCl
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Highly purified whole rabbit IgG
Purification	Purified by antigen-affinity chromatography.
Conjugation	Horseradish peroxidase(HRP)
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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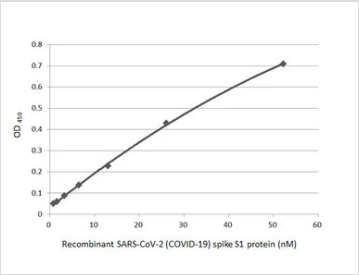
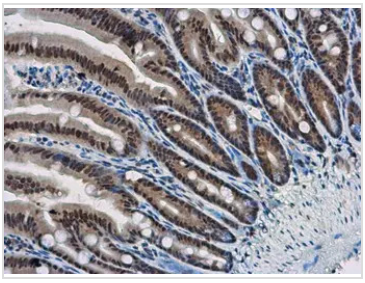


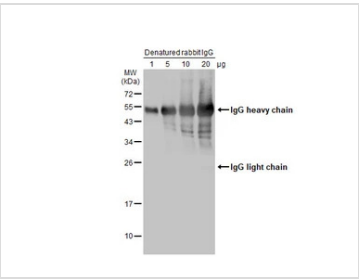
GTX213110-01 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) (GTX135817-pro) (52.15-0.81 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTX635671) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



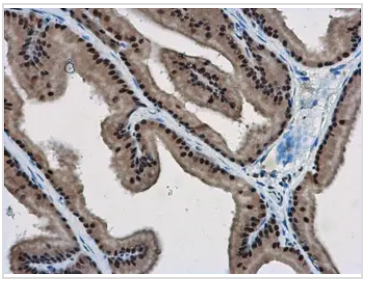
GTX213110-01 IHC-P Image

WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.
Sample: Paraffin-embeddedmouse intestine.
WBP11 antibody (GTX118654) diluted at 1:500.
The signal was developed byRabbit IgG antibody (HRP) (GTX213110-01)
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



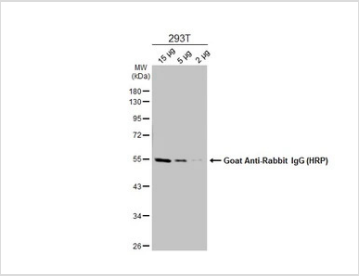
GTX213110-01 WB Image

Various amounts of denatured rabbit IgG protein were separated by 12% SDS-PAGE, and the membrane was blotted with HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) diluted at 1:5000.



GTX213110-01 IHC-P Image

WBP11 antibody detects WBP11 protein at nucleus in rat prostate by immunohistochemical analysis.
Sample: Paraffin-embedded rat prostate.
WBP11 antibody (GTX118654) diluted at 1:500.
The signal was developed by Rabbit IgG antibody (HRP) (GTX213110-01).
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX213110-01 WB Image

Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTX112141) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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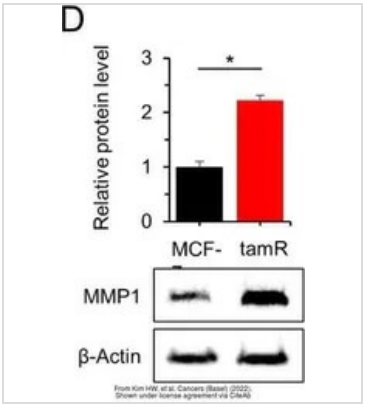
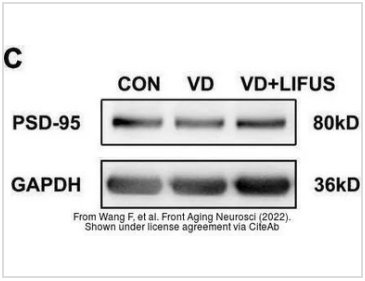


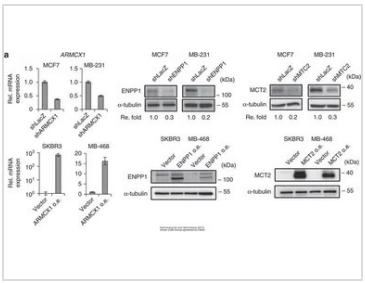
GTX213110-01 WB Image

The data was published in the 2022 in Cancers (Basel). PMID: 35267540



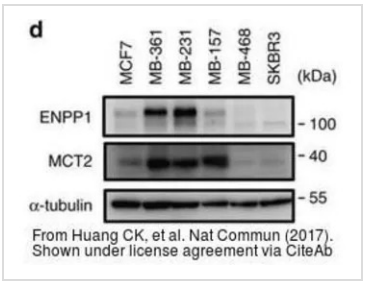
GTX213110-01 WB Image

The data was published in the 2022 in Front Aging Neurosci. PMID: 35264943



GTX213110-01 WB Image

The data was published in the 2017 in Nat Commun. PMID: 28281525



GTX213110-01 WB Image

The data was published in the 2017 in Nat Commun. PMID: 28281525

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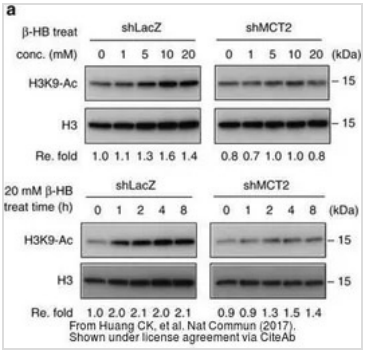

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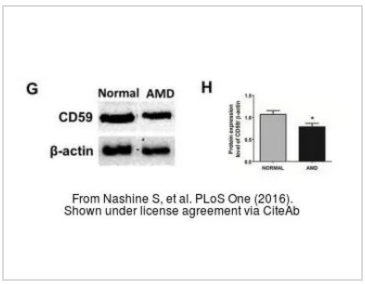
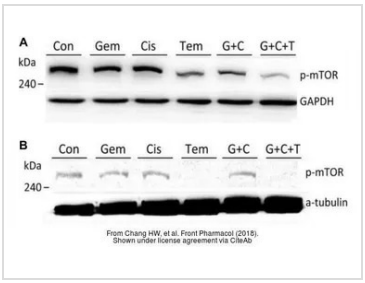
The data was published in the 2017 in Nat Commun. PMID: 28281525



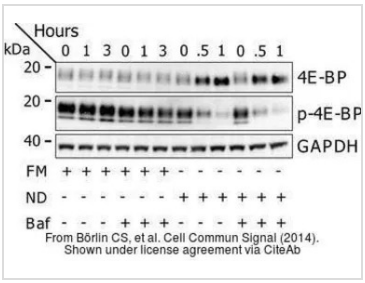
GTX213110-01 WB Image

The data was published in the 2016 in PLoS One. PMID: 27486856



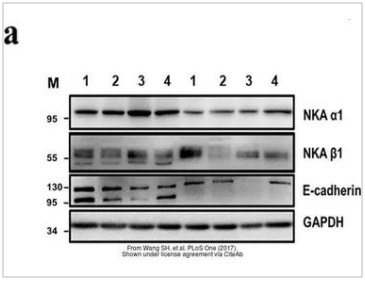
GTX213110-01 WB Image

The data was published in the journal Front Pharmacol in 2018.PMID: 30087612



GTX213110-01 WB Image

The data was published in the journal Cell Commun Signal in 2014.PMID: 25214434



GTX213110-01 WB Image

The data was published in the journal PLoS One in 2017.PMID: 28832634

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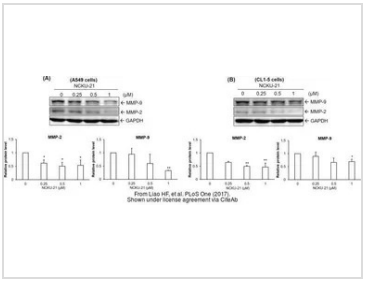

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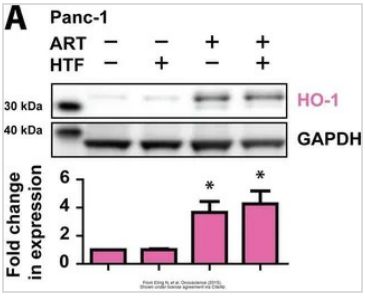
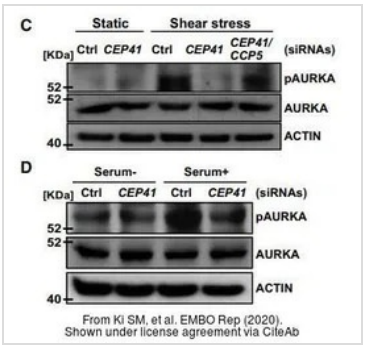
The data was published in the journal PLoS One in 2017. PMID: 28945763



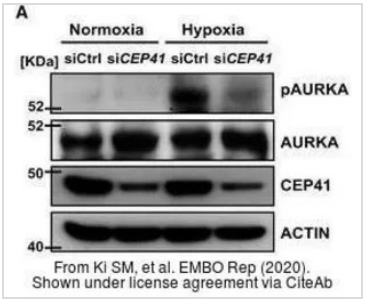
GTX213110-01 WB Image

The data was published in the journal Oncoscience in 2015. PMID: 26097885



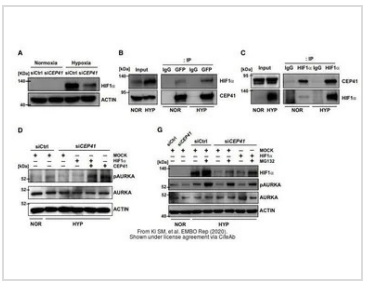
GTX213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. PMID: 31885126



GTX213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. PMID: 31885126



GTX213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. PMID: 31885126

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Cytochrome C antibody [HL2205]

Cat. No. GTX638209

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P
Reactivity	Human, Mouse, Rat, Cat

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-P	Assay dependent

Not tested in other applications.

Observed MW (kDa) 14 kDa.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full length human Cytochrome C recombinant protein
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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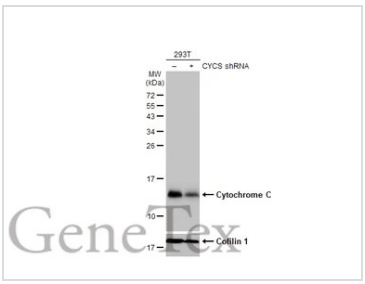
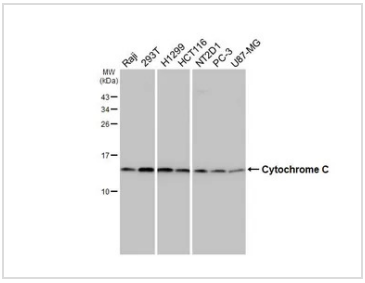
DATA IMAGES



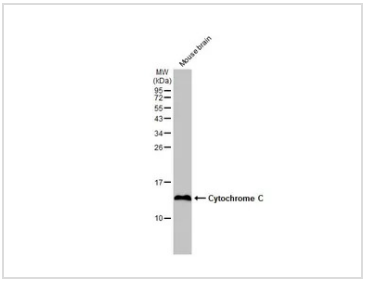
GTX638209 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



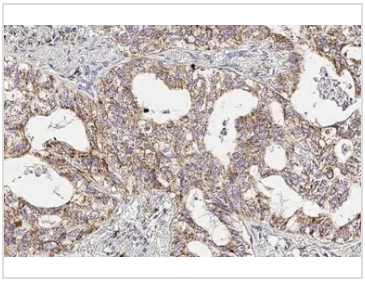
GTX638209 WB Image

Various whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



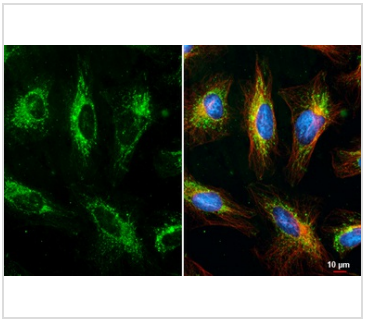
GTX638209 WB Image

Mouse tissue extract (50 µg) was separated by 15% SDS-PAGE, and the membrane was blotted with Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX638209 IHC-P Image

Cytochrome C antibody [HL2205] detects Cytochrome C protein at mitochondria by immunohistochemical analysis.
Sample: Paraffin-embedded human lung cancer.
Cytochrome C stained by Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX638209 ICC/IF Image

Cytochrome C antibody [HL2205] detects Cytochrome C protein at mitochondria by immunofluorescent analysis.
Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.
Green: Cytochrome C stained by Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:500.
Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).

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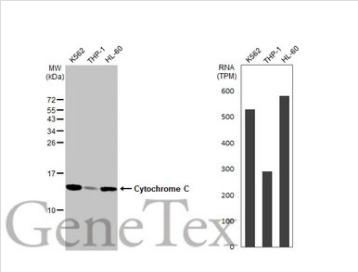
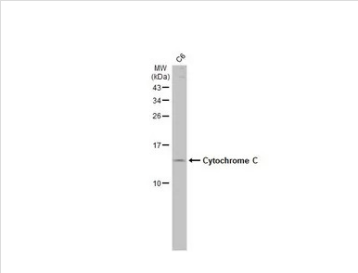


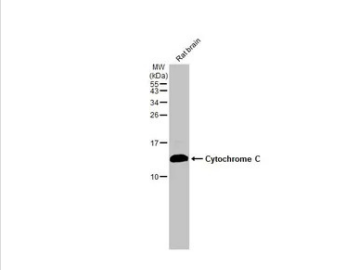
GTX638209 WB Image

Various whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



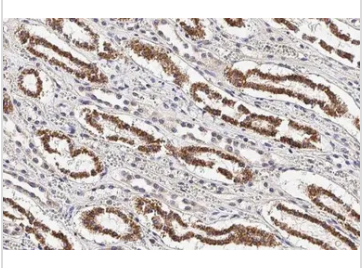
GTX638209 WB Image

Whole cell extract (50 µg) was separated by 15% SDS-PAGE, and the membrane was blotted with Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



GTX638209 WB Image

Rat tissue extract (50 µg) was separated by 15% SDS-PAGE, and the membrane was blotted with Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX638209 IHC-P Image

Cytochrome C antibody [HL2205] detects Cytochrome C protein at mitochondria by immunohistochemical analysis.
Sample: Paraffin-embedded cat kidney.
Cytochrome C stained by Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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COX4 antibody [HL2264]

Cat. No. GTX638316

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P
Reactivity	Human, Mouse, Rat, Zebrafish

References (1)
Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IHC-P	Assay dependent

Not tested in other applications.

Observed MW (kDa)	17 kDa.
Product Note	This antibody may not be suitable for zebrafish ICC/IF / IHC-P assay, as its zebrafish reactivity is based on WB testing.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant fragment of human COX4.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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Note

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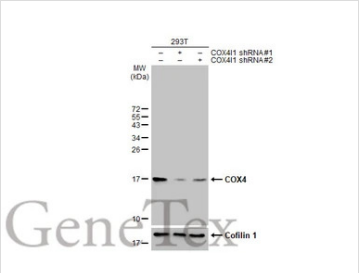
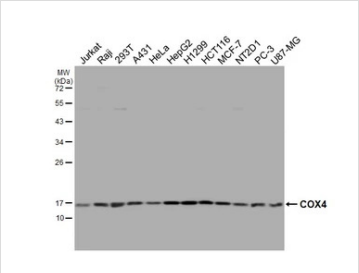
DATA IMAGES



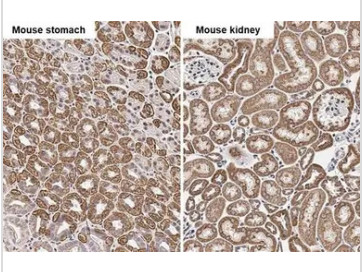
GTX638316 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody [HL2264] (GTX638316) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



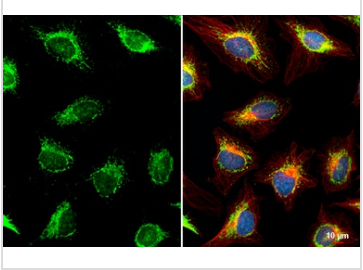
GTX638316 WB Image

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with COX4 antibody [HL2264] (GTX638316) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX638316 IHC-P Image

COX4 antibody [HL2264] detects COX4 protein by immunohistochemical analysis.
Sample: Paraffin-embedded mouse tissues.
COX4 stained by COX4 antibody [HL2264] (GTX638316) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX638316 ICC/IF Image

COX4 antibody [HL2264] detects COX4 protein at mitochondria by immunofluorescent analysis.
Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.
Green: COX4 stained by COX4 antibody [HL2264] (GTX638316) diluted at 1:500.
Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).

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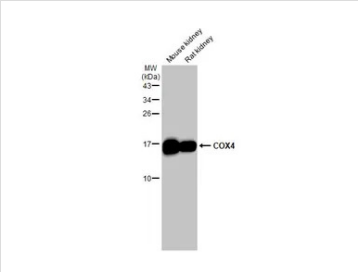
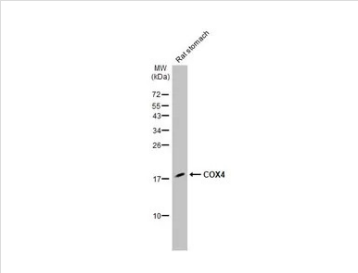


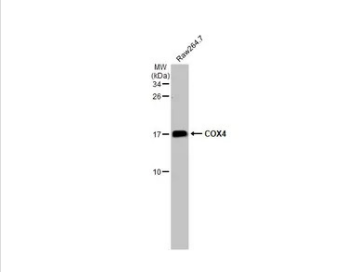
GTX638316 WB Image

Various tissue extracts (50 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody [HL2264] (GTX638316) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



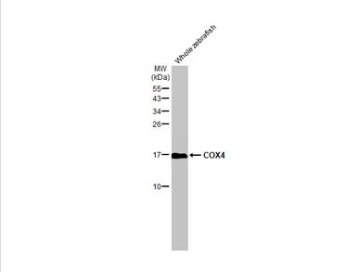
GTX638316 WB Image

Rat tissue extract (50 µg) was separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody [HL2264] (GTX638316) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



GTX638316 WB Image

Whole cell extract (30 µg) was separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody [HL2264] (GTX638316) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident femto Western HRP Substrate.



GTX638316 WB Image

Whole zebrafish extract (30 µg) was separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody [HL2264] (GTX638316) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.

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