

# 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**

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

References ( 7 )

★★★★★ 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

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.34 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Prohibitin. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated



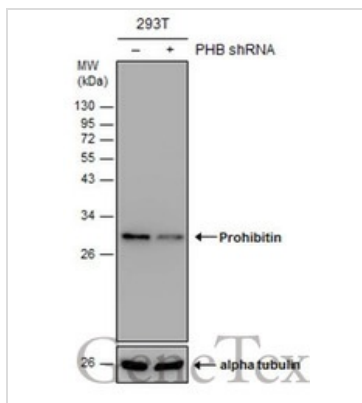
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**

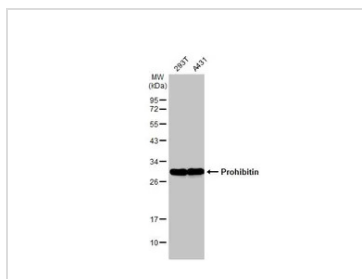
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DATA IMAGES



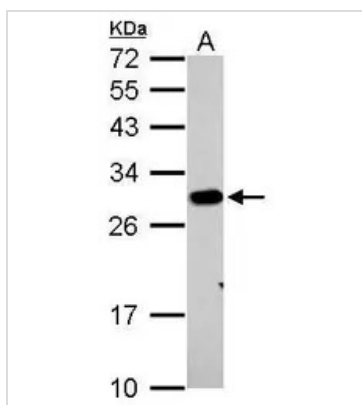
**GTX101105 WB Image**

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.

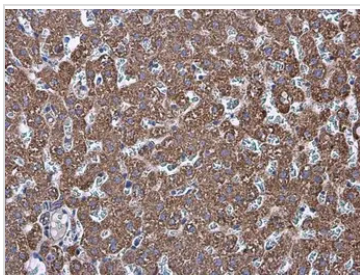


**GTX101105 WB Image**

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.



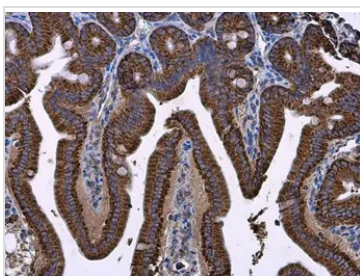
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**GTX101105 IHC-P Image**

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.

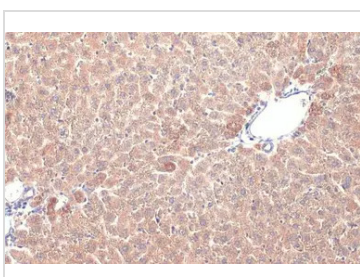
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX101105 IHC-P Image**

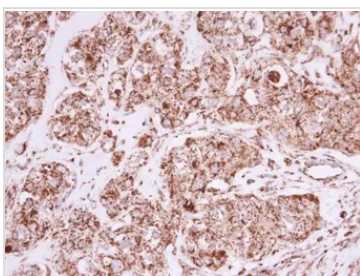
Prohibitin antibody detects Prohibitin protein at cytoplasm in mouse intestine by immunohistochemical analysis.  
 Sample: Paraffin-embedded mouse intestine.  
 Prohibitin antibody (GTX101105) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX101105 IHC-P Image**

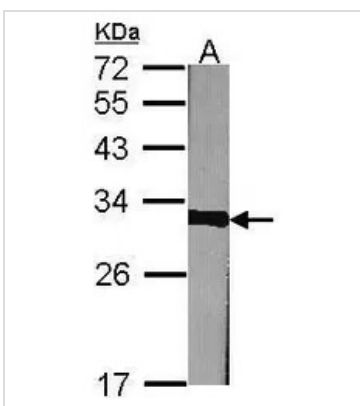
Prohibitin antibody detects Prohibitin protein at mitochondria by immunohistochemical analysis.  
 Sample: Paraffin-embedded mouse liver.  
 Prohibitin stained by Prohibitin antibody (GTX101105) diluted at 1:500.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**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

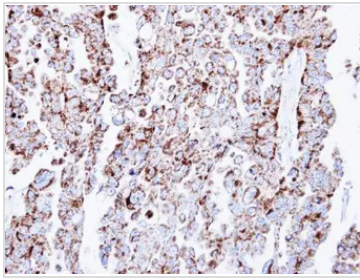


**GTX101105 WB Image**

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.



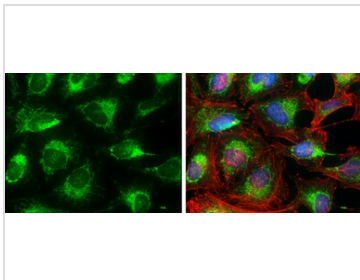
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**GTX101105 IHC-P Image**

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**

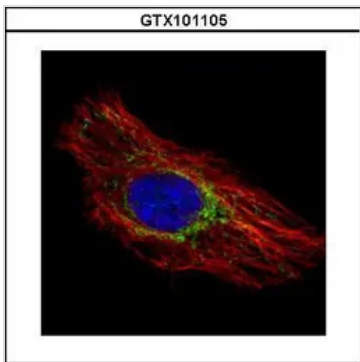
Prohibitin antibody detects Prohibitin protein at mitochondria by immunofluorescent analysis.

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.

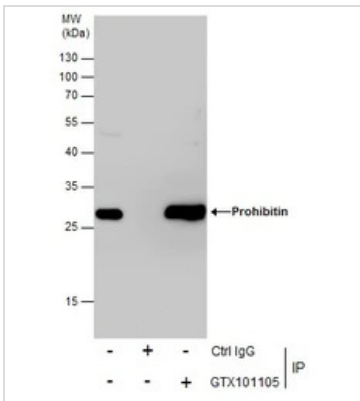
Blue: Hoechst 33342 staining.



**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**

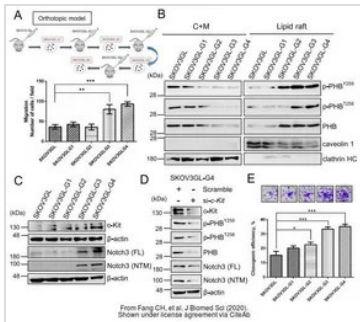
Immunoprecipitation of Prohibitin protein from 293T whole cell extracts using 5 µg of Prohibitin antibody (GTX101105).

Western blot analysis was performed using Prohibitin antibody (GTX101105).

EasyBlot anti-Rabbit IgG (GTX221666-01) was used as a secondary reagent.

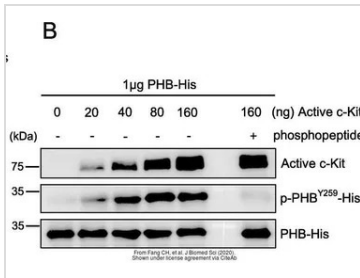


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**GTX101105 WB Image**

The data was published in the journal J Biomed Sci in 2020. [PMID: 32169072](https://pubmed.ncbi.nlm.nih.gov/32169072/)



**GTX101105 WB Image**

The data was published in the journal J Biomed Sci in 2020. [PMID: 32169072](https://pubmed.ncbi.nlm.nih.gov/32169072/)



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## HSP60 antibody

Cat. No. GTX110089

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P, ELISA
<b>Reactivity</b>	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

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



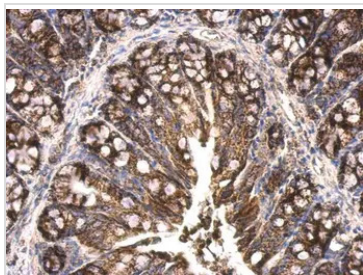
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#### Note

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#### DATA IMAGES



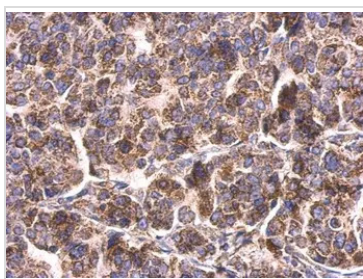
#### GTX110089 IHC-P Image

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



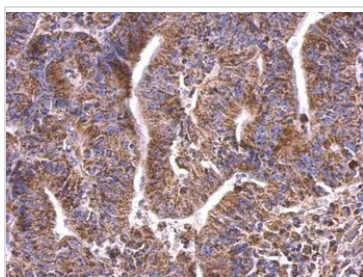
#### GTX110089 IHC-P Image

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



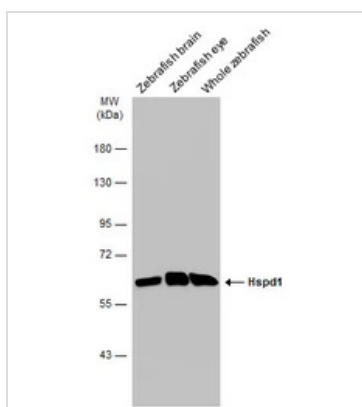
#### GTX110089 IHC-P Image

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

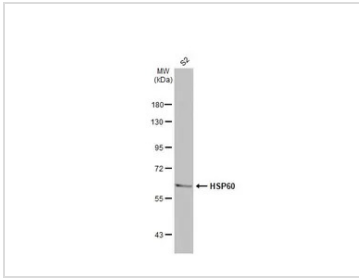


#### GTX110089 WB Image

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.

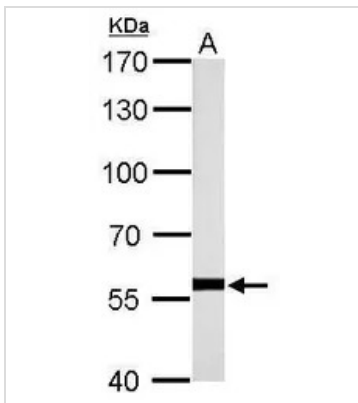


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**GTX110089 WB Image**

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**

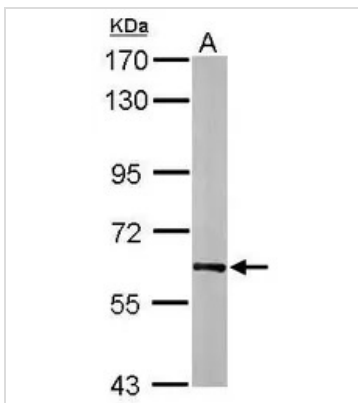
HSP60 antibody detects HSPD1 protein by western blot analysis.

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**

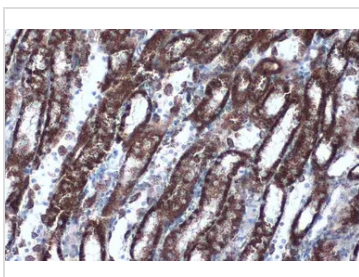
Sample (20 µg of whole cell lysate)

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.

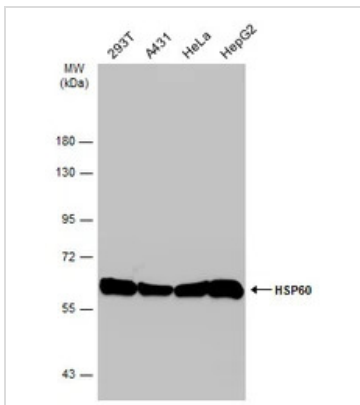
Sample: Paraffin-embedded rat kidney.

HSP60 stained by HSP60 antibody (GTX110089) diluted at 1:1000.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

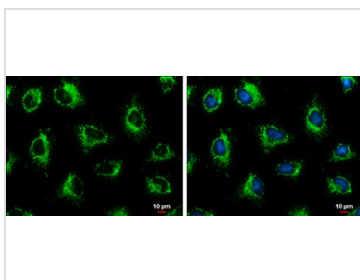


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**GTX110089 WB Image**

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**

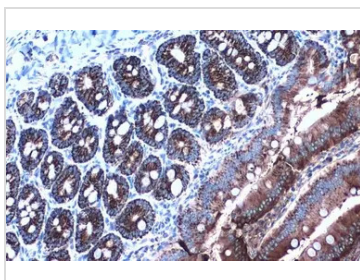
HSP60 antibody detects HSP60 protein at mitochondria by immunofluorescent analysis.

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.



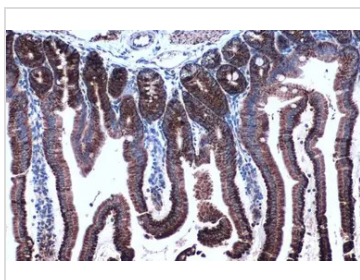
**GTX110089 IHC-P Image**

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



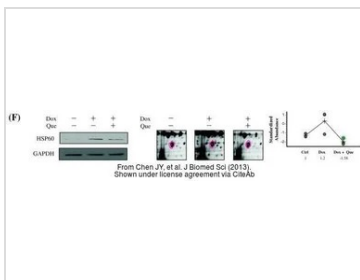
**GTX110089 IHC-P Image**

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

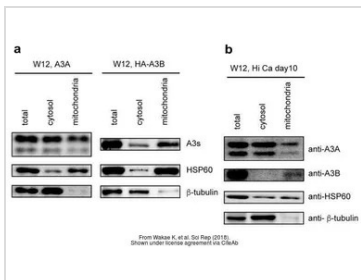


**GTX110089 WB Image**

The data was published in the journal J Biomed Sci in 2013. [PMID: 24359494](https://pubmed.ncbi.nlm.nih.gov/24359494/)

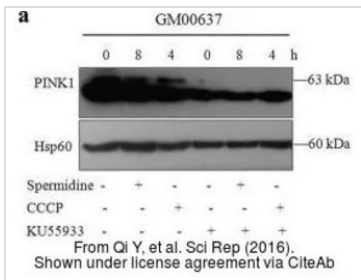


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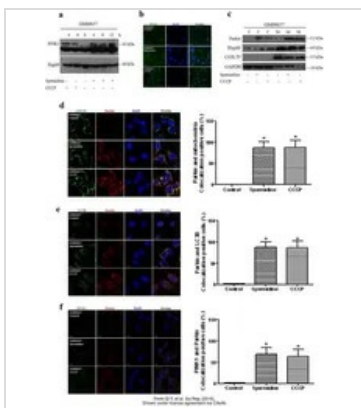
**GTx110089 WB Image**

The data was published in the journal Sci Rep in 2018. [PMID: 29950685](https://pubmed.ncbi.nlm.nih.gov/29950685/)



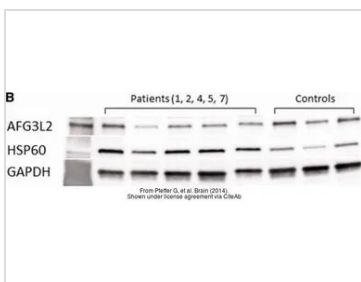
**GTx110089 WB Image**

The data was published in the journal Sci Rep in 2016. [PMID: 27089984](https://pubmed.ncbi.nlm.nih.gov/27089984/)



**GTx110089 WB Image**

The data was published in the journal Sci Rep in 2016. [PMID: 27089984](https://pubmed.ncbi.nlm.nih.gov/27089984/)



**GTx110089 WB Image**

The data was published in the journal Brain in 2014. [PMID: 24727571](https://pubmed.ncbi.nlm.nih.gov/24727571/)



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## VDAC1 antibody [N1C2]

**Cat. No. GTX114187**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P
<b>Reactivity</b>	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

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1.46 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human VDAC1. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

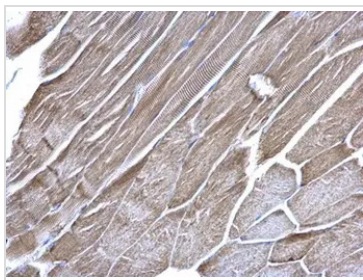
**Note**

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DATA IMAGES



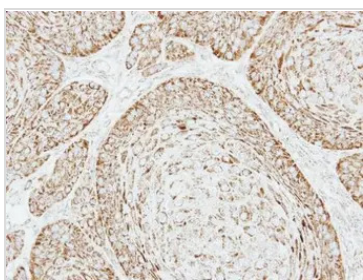
**GTX114187 IHC-P Image**

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.

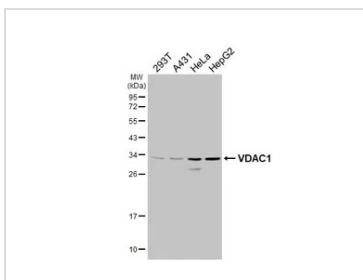
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



**GTX114187 IHC-P Image**

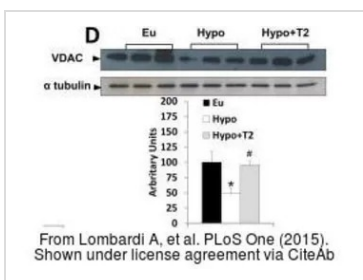
Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using VDAC1(GTX114187) antibody at 1:500 dilution.

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](https://pubmed.ncbi.nlm.nih.gov/25658324/)



For full product information, images and publications, please visit our [website](http://www.genetex.com).

## Goat Anti-Rabbit IgG antibody (HRP)

**Cat. No. GTX213110-01**

<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, IHC-P, ELISA
<b>Reactivity</b>	Rabbit

References ( 638 )

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

<b>Form</b>	Liquid
<b>Buffer</b>	0.05M Tris, 0.15M NaCl
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Highly purified whole rabbit IgG
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Horseradish peroxidase(HRP)

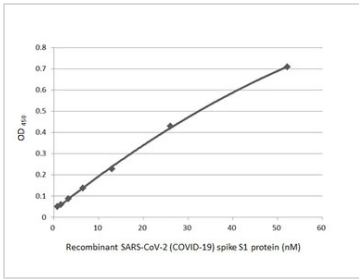
**Note**

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.

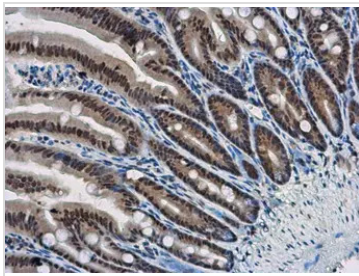
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DATA IMAGES



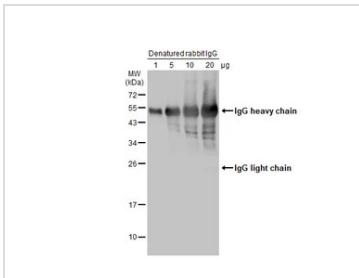
**GTX213110-01 ELISA Image**

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.



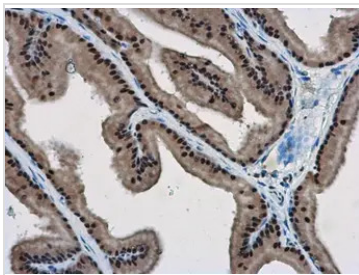
**GTX213110-01 IHC-P Image**

WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis. Sample: Paraffin-embedded mouse intestine. 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



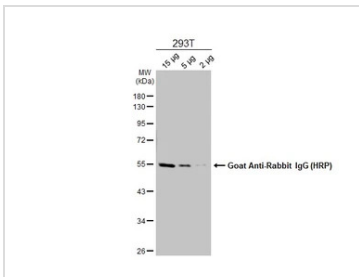
**GTX213110-01 WB Image**

Various 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

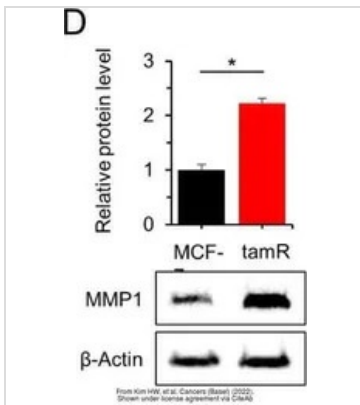


**GTX213110-01 WB Image**

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.

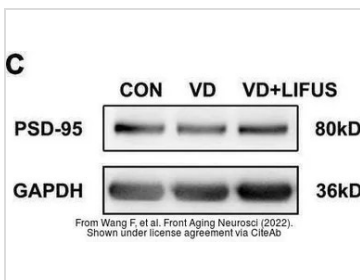


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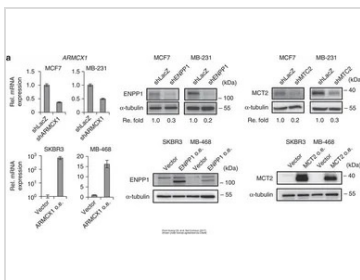
**GTx213110-01 WB Image**

The data was published in the 2022 in Cancers (Basel). [PMID: 35267540](https://pubmed.ncbi.nlm.nih.gov/35267540/)



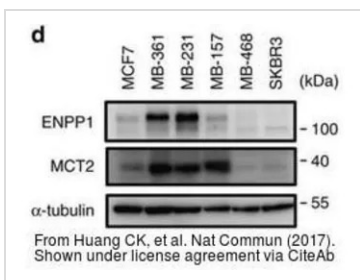
**GTx213110-01 WB Image**

The data was published in the 2022 in Front Aging Neurosci. [PMID: 35264943](https://pubmed.ncbi.nlm.nih.gov/35264943/)



**GTx213110-01 WB Image**

The data was published in the 2017 in Nat Commun. [PMID: 28281525](https://pubmed.ncbi.nlm.nih.gov/28281525/)

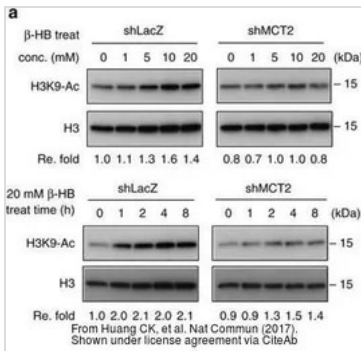


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The data was published in the 2017 in Nat Commun. [PMID: 28281525](https://pubmed.ncbi.nlm.nih.gov/28281525/)

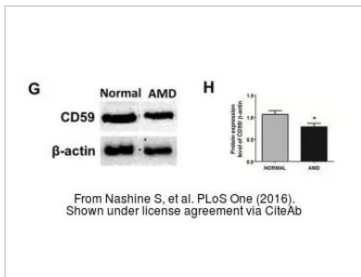


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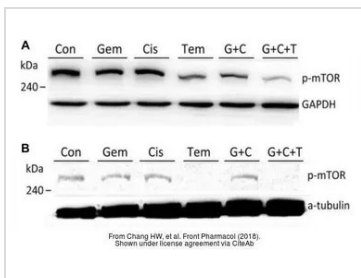
**GTx213110-01 WB Image**

The data was published in the 2017 in Nat Commun. [PMID: 28281525](https://pubmed.ncbi.nlm.nih.gov/28281525/)



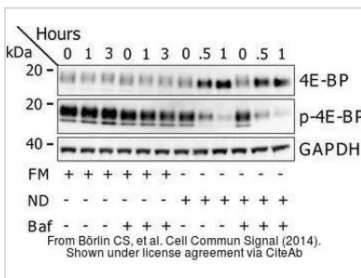
**GTx213110-01 WB Image**

The data was published in the 2016 in PLoS One. [PMID: 27486856](https://pubmed.ncbi.nlm.nih.gov/27486856/)



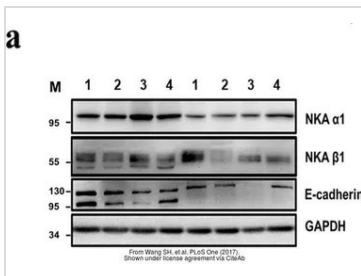
**GTx213110-01 WB Image**

The data was published in the journal Front Pharmacol in 2018. [PMID: 30087612](https://pubmed.ncbi.nlm.nih.gov/30087612/)



**GTx213110-01 WB Image**

The data was published in the journal Cell Commun Signal in 2014. [PMID: 25214434](https://pubmed.ncbi.nlm.nih.gov/25214434/)

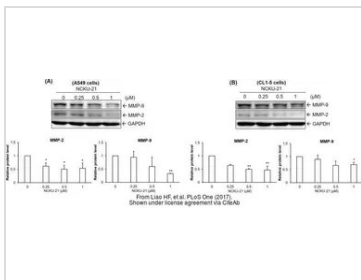


**GTx213110-01 WB Image**

The data was published in the journal PLoS One in 2017. [PMID: 28832634](https://pubmed.ncbi.nlm.nih.gov/28832634/)

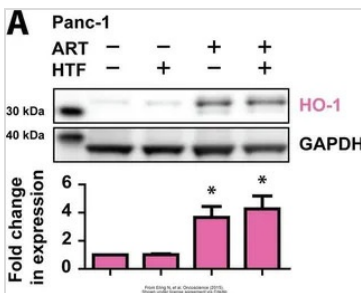


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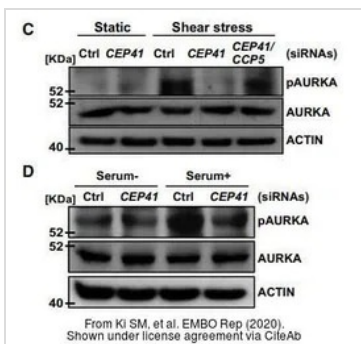
GTX213110-01 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 28945763](https://pubmed.ncbi.nlm.nih.gov/28945763/)



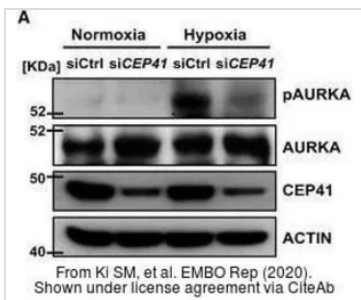
GTX213110-01 WB Image

The data was published in the journal Oncoscience in 2015. [PMID: 26097885](https://pubmed.ncbi.nlm.nih.gov/26097885/)



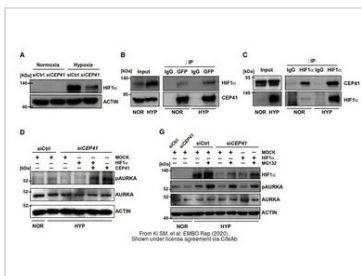
GTX213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](https://pubmed.ncbi.nlm.nih.gov/31885126/)



GTX213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](https://pubmed.ncbi.nlm.nih.gov/31885126/)



GTX213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](https://pubmed.ncbi.nlm.nih.gov/31885126/)



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## Cytochrome C antibody [HL2205]

**Cat. No. GTX638209**

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P
<b>Reactivity</b>	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

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

**Note**

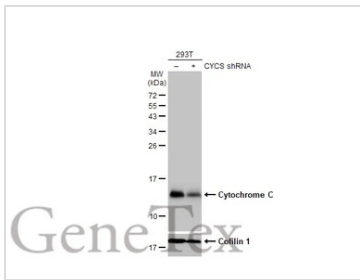
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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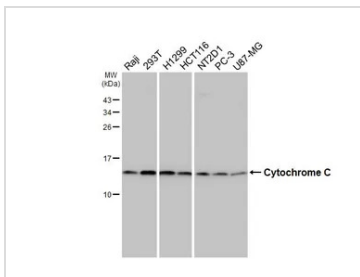


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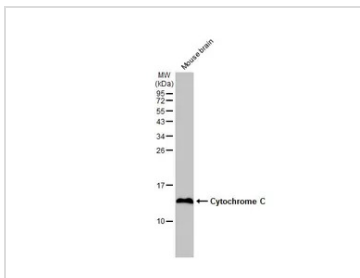
## DATA IMAGES

**GTX638209 WB Image**

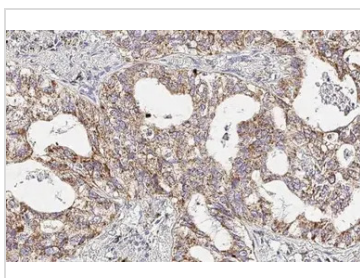
Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

**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.

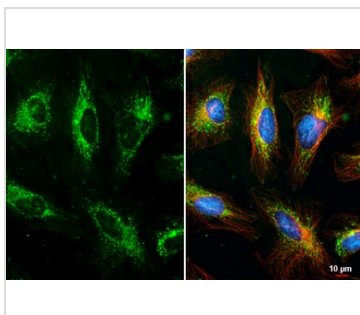
**GTX638209 IHC-P Image**

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.

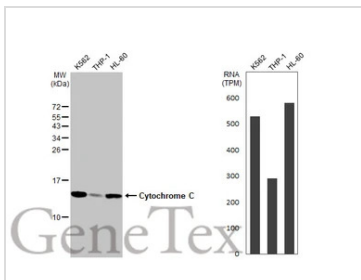
Green: Cytochrome C stained by Cytochrome C antibody [HL2205] (GTX638209) diluted at 1:500.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTX30920).

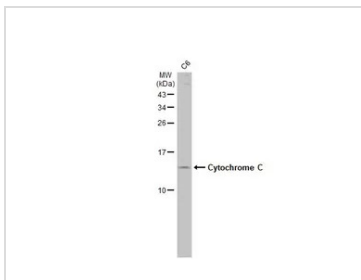


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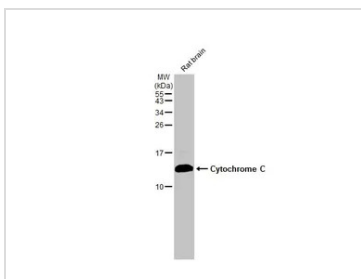
**GTX638209 WB Image**

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.



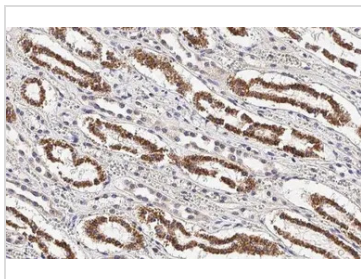
**GTX638209 WB Image**

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**

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P
<b>Reactivity</b>	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.

## Properties

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

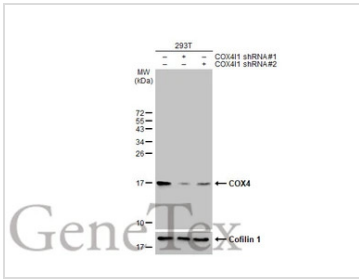
**Note**

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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.

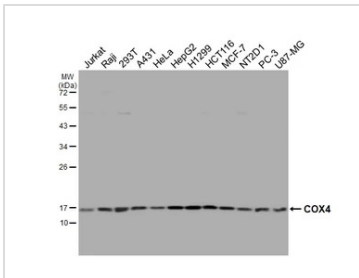
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DATA IMAGES



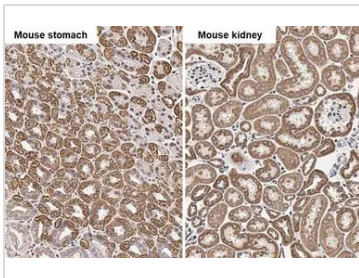
**GTX638316 WB Image**

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.



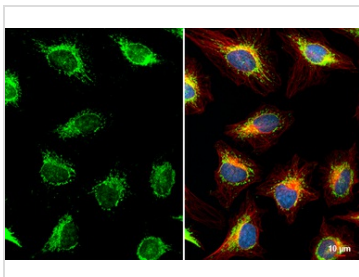
**GTX638316 WB Image**

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.



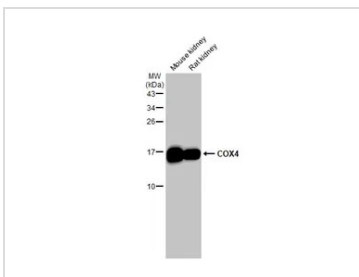
**GTX638316 IHC-P Image**

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).

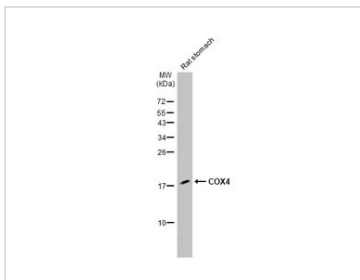


**GTX638316 WB Image**

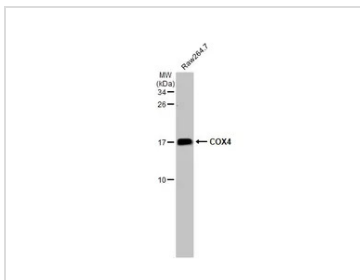
Various tissue extracts (50 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody [HL2264] (GTX638316) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



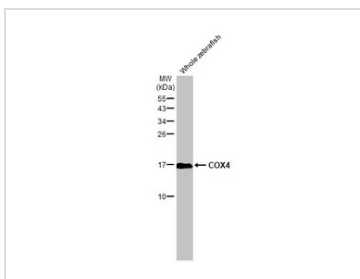
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**GTX638316 WB Image**

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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