

## GTX300003

## Loading Control Antibody Panel

## Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX213110-Goat Anti-Rabbit IgG 01	antibody (HRP)	Rabbit	WB, IHC-P, ELISA	100 µl
GTX636804 PARP antibody [HL1364]		Human, Mouse	WB, ICC/IF, IHC-P, FCM, IP	25 µl
GTX637966 GAPDH antibody [HL2062]		Human, Mouse, Rat, Zebrafish, Rabbit, Cat, Dog, Hamster, Japanese Medaka, African green monkey, E. coli	WB, ICC/IF	25 µl
GTX638140 alpha Tubulin antibody [HL2162]		Human, Mouse, Rat, Zebrafish, Rabbit, Cat, Dog, Hamster, African green monkey, E. coli	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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## Goat Anti-Rabbit IgG antibody (HRP)

Cat. No. GTX213110-01

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

References ( 624 )

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

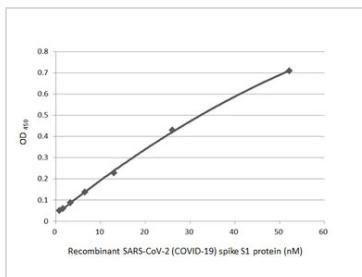
Form	Liquid
Buffer	0.05M Tris, 0.15M NaCl
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
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)
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.	
Note	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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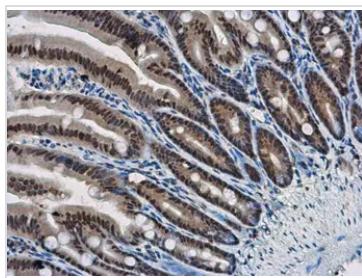
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## DATA IMAGES



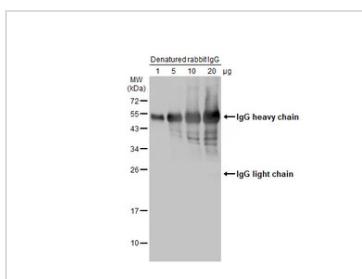
## GTX213110-01 ELISA Image

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.



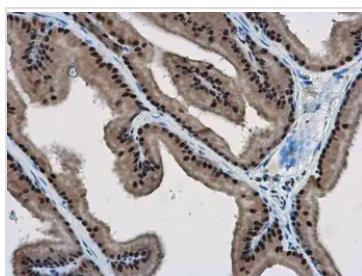
## GTX213110-01 IHC-P Image

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



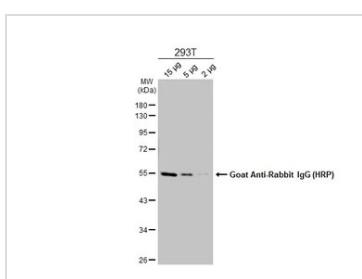
## GTX213110-01 WB Image

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



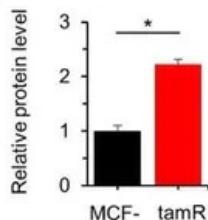
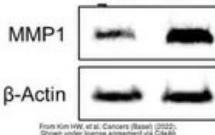
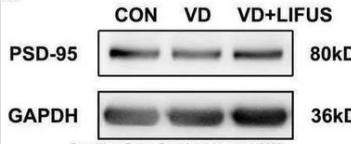
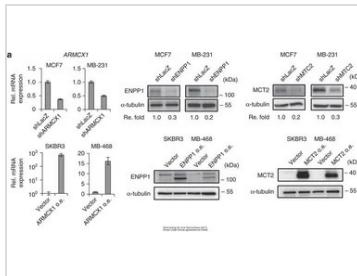
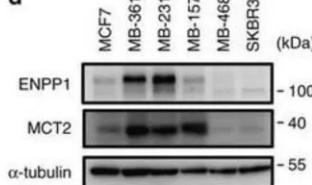
## GTX213110-01 WB Image

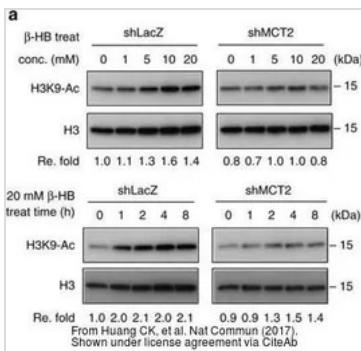
Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTX112141) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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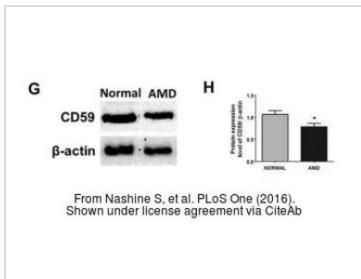
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**D****GTX213110-01 WB Image**The data was published in the 2022 in Cancers (Basel). [PMID: 35267540](#)From Kim HW, et al. Cancers (Basel) (2022).  
Shown under license agreement via CiteAb.**C**From Wang F, et al. Front Aging Neurosci (2022).  
Shown under license agreement via CiteAb.**GTX213110-01 WB Image**The data was published in the 2022 in Front Aging Neurosci. [PMID: 35264943](#)**d**From Huang CK, et al. Nat Commun (2017).  
Shown under license agreement via CiteAb.**GTX213110-01 WB Image**The data was published in the 2017 in Nat Commun. [PMID: 28281525](#)For full product information, images and publications, please visit our [website](#).



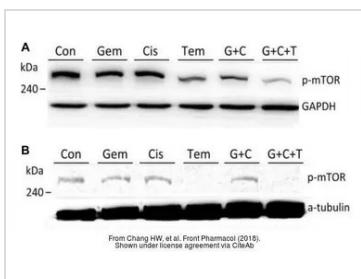
GTX213110-01 WB Image

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



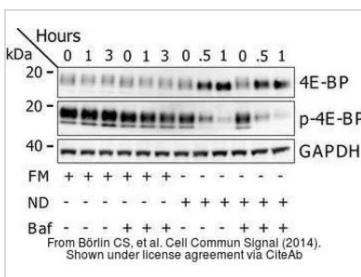
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The data was published in the 2016 in PLoS One. [PMID: 27486856](#)



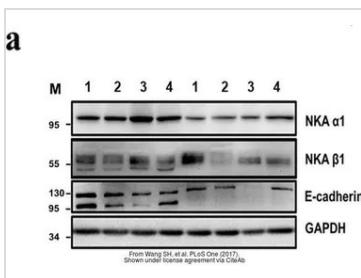
GTX213110-01 WB Image

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](#)

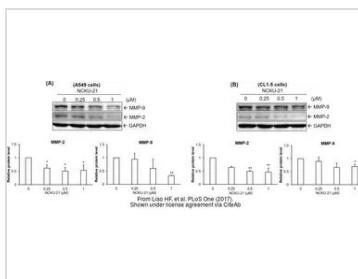


GTX213110-01 WB Image

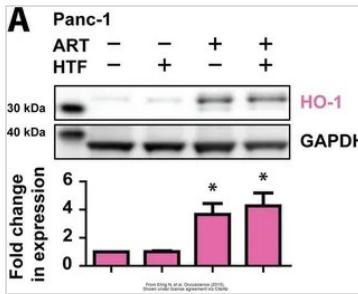
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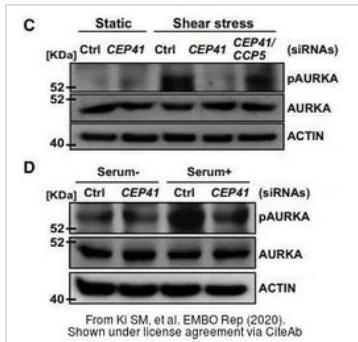
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**GTX213110-01 WB Image**

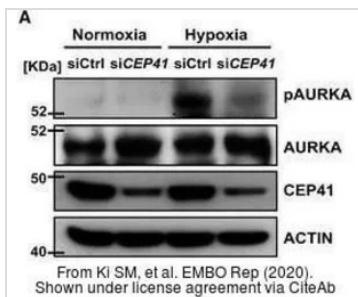
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**GTX213110-01 WB Image**

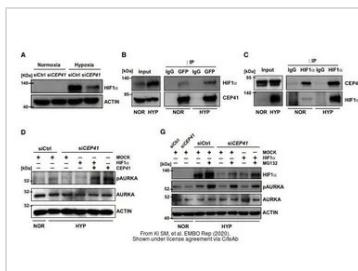
The data was published in the journal Oncoscience in 2015. [PMID: 26097885](#)

**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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## PARP antibody [HL1364]

## Cat. No. GTX636804

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

 Review (3)

## 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	Assay dependent
IHC-P	Assay dependent
FCM	Assay dependent
IP	Assay dependent

Not tested in other applications.

**Observed MW (kDa)** 89 (cleaved form), 116 (Pro-form) kDa.

**Product Note** This antibody may not be suitable for mouse IHC-P assay, as its mouse reactivity is based on WB testing. It is specific for human PARP1 protein, and it does not cross react with human PARP2 and PARP3 protein.

## 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>	1.5 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 PARP. The exact sequence is proprietary.
<b>Purification</b>	Affinity purified by Protein A.
<b>Conjugation</b>	Unconjugated



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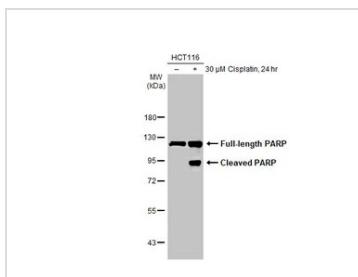
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#### Note

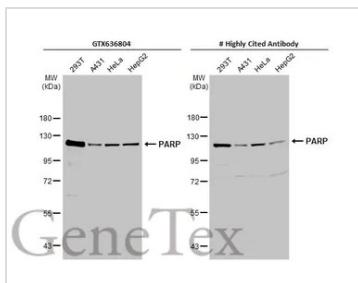
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#### DATA IMAGES



#### GTX636804 WB Image

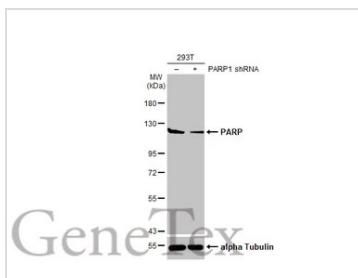
Untreated (-) and treated (+) HCT-116 whole cell extract (30  $\mu$ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody [HL1364] (GTX636804) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



#### GTX636804 WB Image

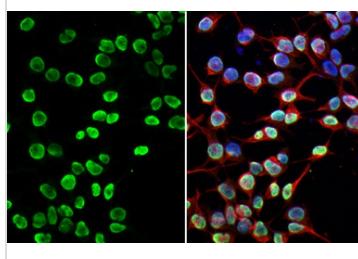
Various whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE, and the membranes were blotted with PARP antibody [HL1364] (GTX636804) diluted at 1:10000 and competitor's antibody (# Highly Cited Antibody) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

\*The competitor is not affiliated with GeneTex and does not endorse this product.



#### GTX636804 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody [HL1364] (GTX636804) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



#### GTX636804 ICC/IF Image

PARP antibody [HL1364] detects PARP protein by immunofluorescent analysis.

Sample: 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: PARP stained by PARP antibody [HL1364] (GTX636804) diluted at 1:500.

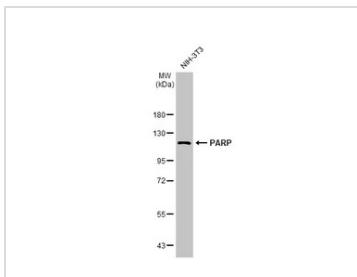
Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTX30920).



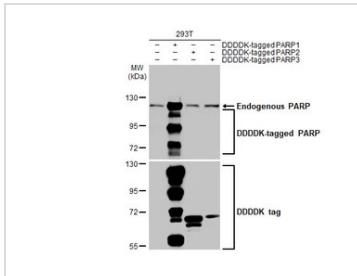
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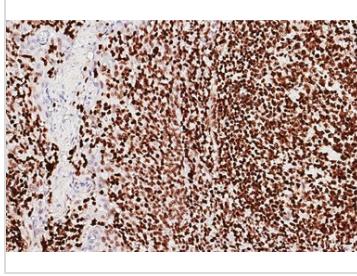
### GTX636804 WB Image

Whole cell extract (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody [HL1364] (GTX636804) 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.



### GTX636804 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody [HL1364] (GTX636804) diluted at 1:100000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



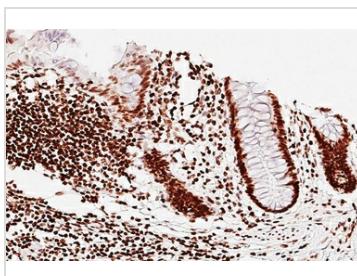
### GTX636804 IHC-P Image

PARP antibody [HL1364] detects PARP protein by immunohistochemical analysis.

Sample: Paraffin-embedded human tonsil.

PARP stained by PARP antibody [HL1364] (GTX636804) diluted at 1:250.

Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min



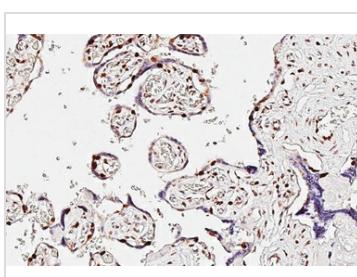
### GTX636804 IHC-P Image

PARP antibody [HL1364] detects PARP protein by immunohistochemical analysis.

Sample: Paraffin-embedded human appendix.

PARP stained by PARP antibody [HL1364] (GTX636804) diluted at 1:250.

Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min



### GTX636804 IHC-P Image

PARP antibody [HL1364] detects PARP protein by immunohistochemical analysis.

Sample: Paraffin-embedded human placenta.

PARP stained by PARP antibody [HL1364] (GTX636804) diluted at 1:250.

Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min



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## GAPDH antibody [HL2062]

## Cat. No. GTX637966

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Human, Mouse, Rat, Zebrafish, Rabbit, Cat, Dog, Hamster, Japanese Medaka, African green monkey, E. coli

References ( 2 )

Package

100 µl, 25 µl

## Applications

## Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000-1:50000
ICC/IF	Assay dependent
Not tested in other applications.	

Observed MW (kDa) 36 kDa.

## Properties

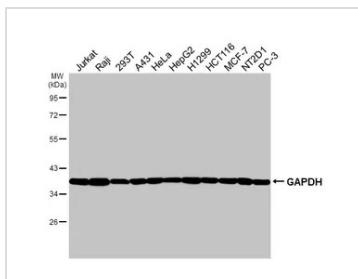
Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant fragment of human GAPDH
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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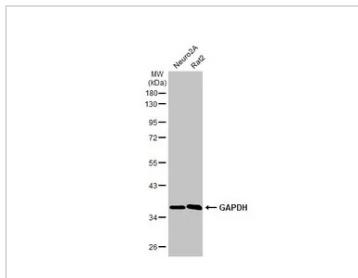
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## DATA IMAGES



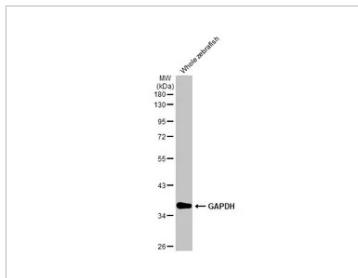
## GTX637966 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



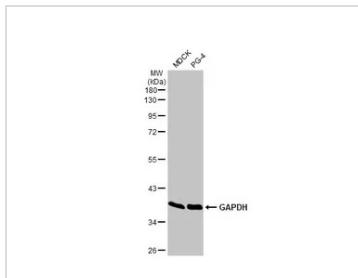
## GTX637966 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



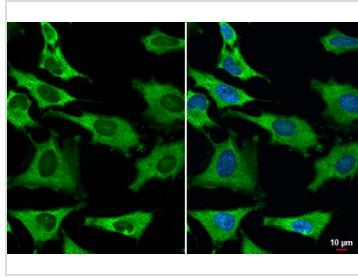
## GTX637966 WB Image

Whole zebrafish extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



## GTX637966 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



## GTX637966 ICC/IF Image

GAPDH antibody [HL2062] detects GAPDH protein at cytoplasm by immunofluorescent analysis.

Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.

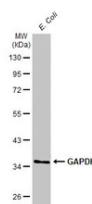
Green: GAPDH stained by GAPDH antibody [HL2062] (GTX637966) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTX30920).



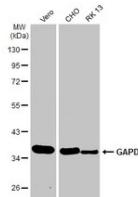
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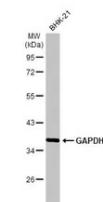
#### GTX637966 WB Image

E. Coli (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) 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.



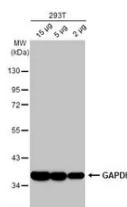
#### GTX637966 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



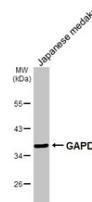
#### GTX637966 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



#### GTX637966 WB Image

Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



#### GTX637966 WB Image

Whole Japanese medaka extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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## alpha Tubulin antibody [HL2162]

## Cat. No. GTX638140

<b>Host</b>	Rabbit	<b>Package</b>
<b>Clonality</b>	Monoclonal	100 µl, 25 µl
<b>Isotype</b>	IgG	
<b>Applications</b>	WB, ICC/IF, IHC-P	
<b>Reactivity</b>	Human, Mouse, Rat, Zebrafish, Rabbit, Cat, Dog, Hamster, African green monkey, E. coli	

## Applications

## Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent
IHC-P	Assay dependent

Not tested in other applications.

**Observed MW (kDa)** 55 kDa.

## Properties

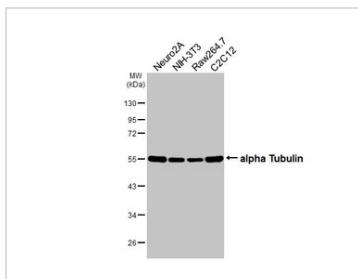
<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.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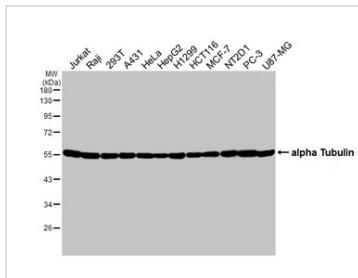
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## DATA IMAGES



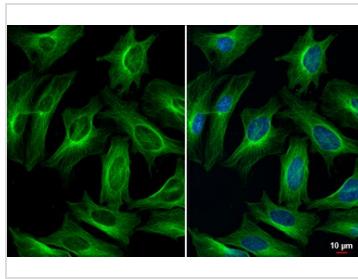
## GTX638140 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [HL2162] (GTX638140) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



## GTX638140 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [HL2162] (GTX638140) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



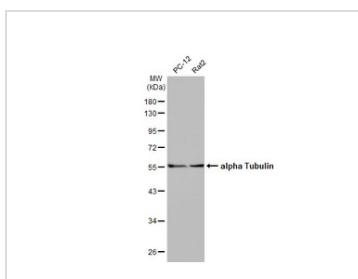
## GTX638140 ICC/IF Image

alpha Tubulin antibody [HL2162] detects alpha Tubulin protein at cytoskeleton by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

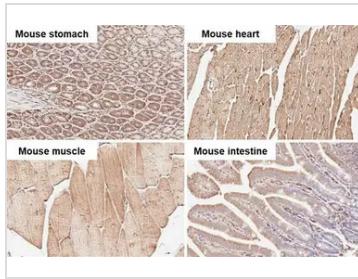
Green: alpha Tubulin stained by alpha Tubulin antibody [HL2162] (GTX638140) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



## GTX638140 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [HL2162] (GTX638140) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



## GTX638140 IHC-P Image

alpha Tubulin antibody [HL2162] detects alpha Tubulin protein by immunohistochemical analysis.

Sample: Paraffin-embedded mouse tissues.

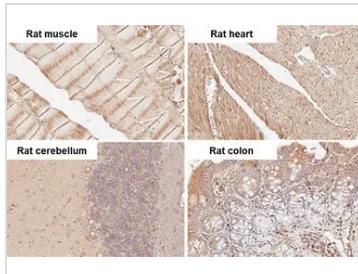
alpha Tubulin stained by alpha Tubulin antibody [HL2162] (GTX638140) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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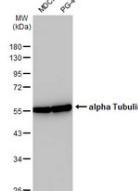
### GTx638140 IHC-P Image

alpha Tubulin antibody [HL2162] detects alpha Tubulin protein by immunohistochemical analysis.

Sample: Paraffin-embedded rat tissues.

alpha Tubulin stained by alpha Tubulin antibody [HL2162] (GTx638140) diluted at 1:100.

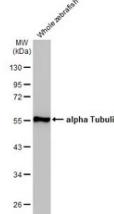
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



### GTx638140 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with

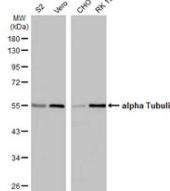
alpha Tubulin antibody [HL2162] (GTx638140) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



### GTx638140 WB Image

Whole zebrafish extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with

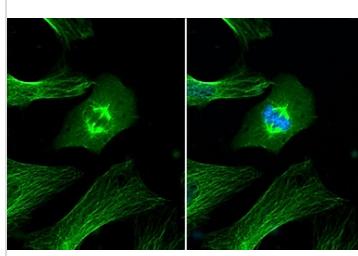
alpha Tubulin antibody [HL2162] (GTx638140) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



### GTx638140 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with

alpha Tubulin antibody [HL2162] (GTx638140) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



### GTx638140 ICC/IF Image

alpha Tubulin antibody [HL2162] detects alpha Tubulin protein at cytoskeleton by immunofluorescent analysis.

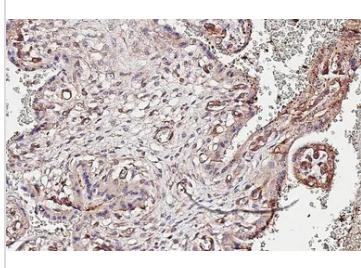
Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: alpha Tubulin stained by alpha Tubulin antibody [HL2162] (GTx638140) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTx30920).



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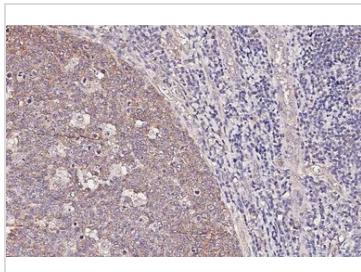
**GTx638140 IHC-P Image**

alpha Tubulin antibody [HL2162] detects alpha Tubulin protein by immunohistochemical analysis.

Sample: Paraffin-embedded human placenta.

alpha Tubulin stained by alpha Tubulin antibody [HL2162] (GTx638140) diluted at 1:2500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

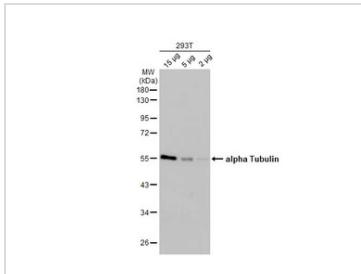
**GTx638140 IHC-P Image**

alpha Tubulin antibody [HL2162] detects alpha Tubulin protein by immunohistochemical analysis.

Sample: Paraffin-embedded human tonsil.

alpha Tubulin stained by alpha Tubulin antibody [HL2162] (GTx638140) diluted at 1:2500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

**GTx638140 WB Image**

Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [HL2162] (GTx638140) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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## COX4 antibody [HL2264]

## Cat. No. GTX638316

Host	Rabbit	Package
Clonality	Monoclonal	100 µl, 25 µl
Isotype	IgG	
Applications	WB, ICC/IF, IHC-P	
Reactivity	Human, Mouse, Rat, Zebrafish	

## 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

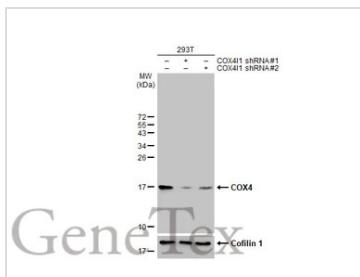
Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml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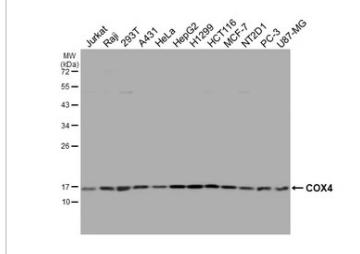
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## DATA IMAGES



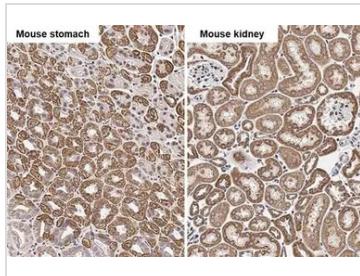
## GTX638316 WB Image

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.



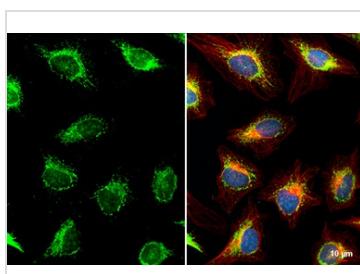
## GTX638316 IHC-P Image

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

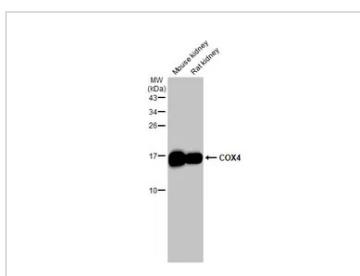
COX4 antibody [HL2264] detects COX4 protein at mitochondria by immunofluorescent analysis.

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).



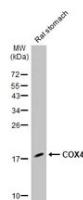
## GTX638316 WB Image

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.



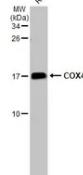
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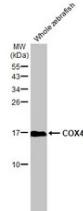
#### GTx638316 WB Image

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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