

GTX300061

Hypoxia pathway Antibody Panel

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX125971	ARD1A antibody	Human, Mouse	WB, ICC/IF, IHC-P, IP	25 µl
GTX127310	Twist1/2 antibody	Human, Mouse, Rat, Drosophila	WB, IHC-P, IHC	25 µl
GTX213110-01	Goat Anti-Rabbit IgG antibody (HRP)	Rabbit	WB, IHC-P, ELISA	25 µl
GTX30114	HIF2 alpha antibody	Human, Mouse, Rat, Monkey, Fish	WB, ICC/IF, IHC-P, IHC	25 µl
GTX637432	Heme Oxygenase 1 antibody [HL1780]	Human, Mouse, Rat, Cat	WB, IHC-P	25 µl
GTX637436	NFkB p105 antibody [HL1784]	Human	WB	25 µl
GTX640664	HIF1 alpha antibody [HL3154]	Human, Mouse, Rat, Dog	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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ARD1A antibody

Cat. No. GTX125971

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

References (3)

Package

100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:10000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	1:100-1:500

Not tested in other applications.

Calculated MW 26 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 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.97 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full length human ARD1A Recombinant protein.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

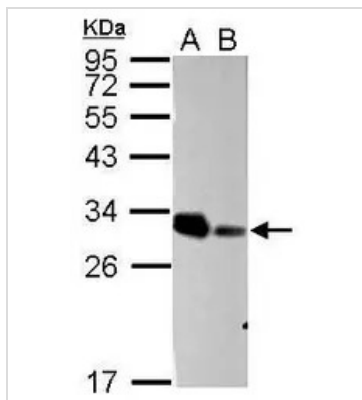
Note

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DATA IMAGES

GTX125971 WB Image

Sample (30 µg of whole cell lysate)

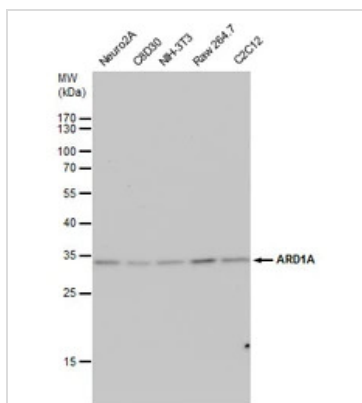
A: H1299 transfected scramble siRNA

B: H1299 transfected ARDIA siRNA

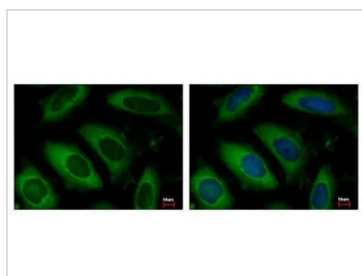
12% SDS PAGE

GTX125971 diluted at 1:5000

The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


GTX125971 WB Image

ARD1A antibody detects ARD1A protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and blotted with ARD1A antibody (GTX125971) diluted by 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

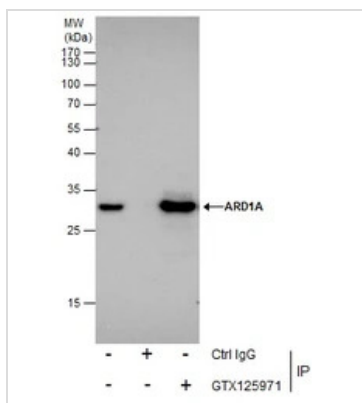

GTX125971 ICC/IF Image

ARD1A antibody detects NAA10 protein at Cytoplasm by immunofluorescent analysis.

Sample: HeLa cells were fixed in -20°C 100% MeOH for 5 min.

Green: NAA10 protein stained by ARD1A antibody (GTX125971) diluted at 1:500.

Blue: Hoechst 33343 staining.


GTX125971 IP Image

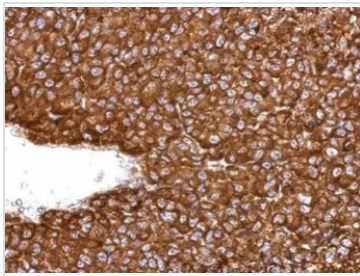
Immunoprecipitation of ARD1A protein from HeLa whole cell extracts using 5 µg of ARD1A antibody (GTX125971).

Western blot analysis was performed using ARD1A antibody (GTX125971) diluted at 1:500.

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



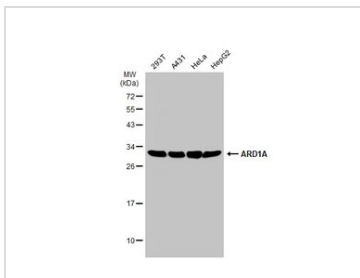
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GTX125971 IHC-P Image

Immunohistochemical analysis of paraffin-embedded PC13 xenograft, using ARD1A(GTX125971) antibody at 1:500 dilution.

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



GTX125971 WB Image

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with ARD1A antibody (GTX125971) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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Twist1/2 antibody

Cat. No. GTX127310

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

References (70)

★★★★★ Review (12)

Package

100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:10000
IHC-P	1:100-1:1000
IHC	Assay dependent

Not tested in other applications.

Calculated MW 21 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 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.67 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Twist1/2. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

Note

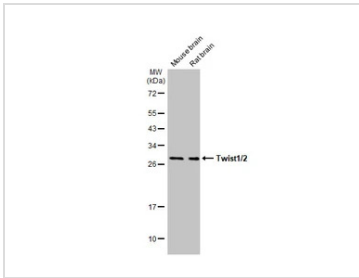
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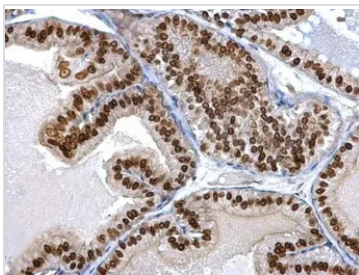
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DATA IMAGES



GTx127310 WB Image

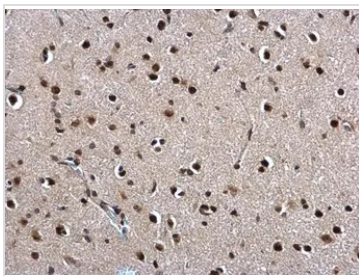
Various tissue extracts (50 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Twist1/2 antibody (GTx127310) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



GTx127310 IHC-P Image

Twist1/2 antibody detects Twist1/2 protein at nucleus on mouse prostate by immunohistochemical analysis.
Sample: Paraffin-embedded mouse prostate.
Twist1/2 antibody (GTx127310) dilution: 1:500.

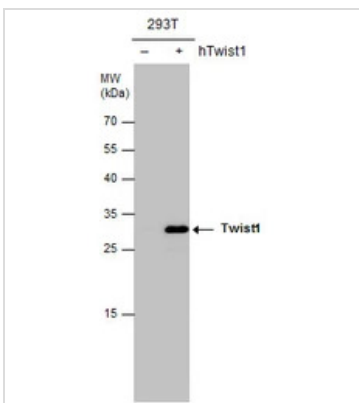
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTx127310 IHC-P Image

Twist1/2 antibody detects Twist1/2 protein at nucleus on rat fore brain by immunohistochemical analysis.
Sample: Paraffin-embedded rat fore brain.
Twist1/2 antibody (GTx127310) dilution: 1:500.

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

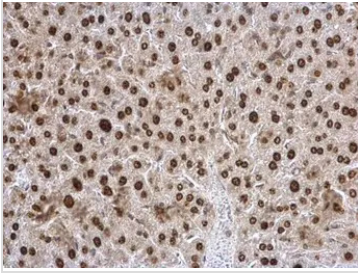


GTx127310 WB Image

Twist1/2 antibody detects Twist1 protein by western blot analysis. Non-transfected (-) and Twist1-transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Twist1/2 antibody (GTx127310) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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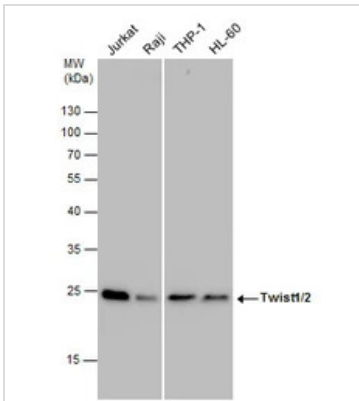
GTx127310 IHC-P Image

Twist1/2 antibody detects Twist1/2 protein at nucleus on mouse liver by immunohistochemical analysis.

Sample: Paraffin-embedded mouse liver.

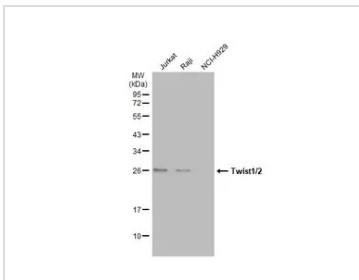
Twist1/2 antibody (GTx127310) dilution: 1:500.

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



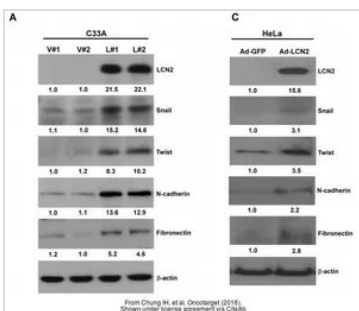
GTx127310 WB Image

Twist1/2 antibody detects Twist1/2 protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Twist1/2 antibody (GTx127310) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



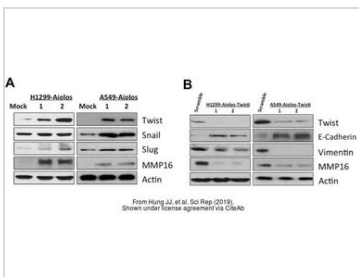
GTx127310 WB Image

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Twist1/2 antibody (GTx127310) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



GTx127310 WB Image

The data was published in the journal Oncotarget in 2016.[PMID: 26840566](https://pubmed.ncbi.nlm.nih.gov/26840566/)

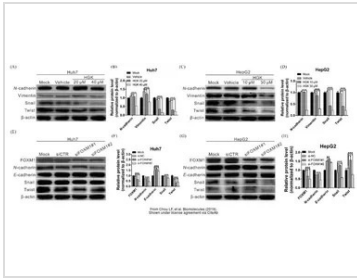


GTx127310 WB Image

The data was published in the journal Sci Rep in 2019.[PMID: 30816208](https://pubmed.ncbi.nlm.nih.gov/30816208/)

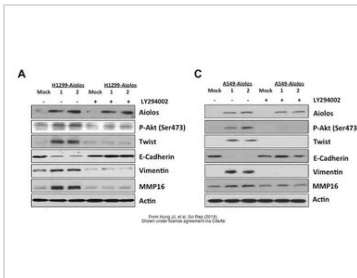


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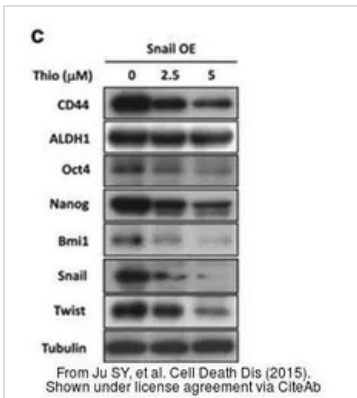
GTX127310 WB Image

The data was published in the journal Biomolecules in 2019.[PMID: 31877715](#)



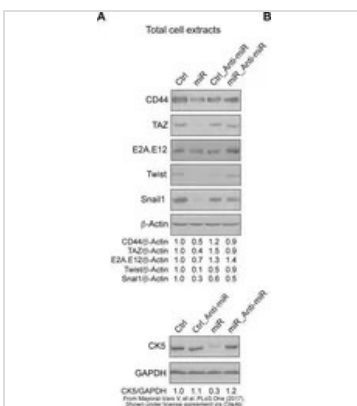
GTX127310 WB Image

The data was published in the journal Sci Rep in 2019.[PMID: 30816208](#)



GTX127310 WB Image

The data was published in the journal Cell Death Dis in 2015. [PMID: 26136074](#)

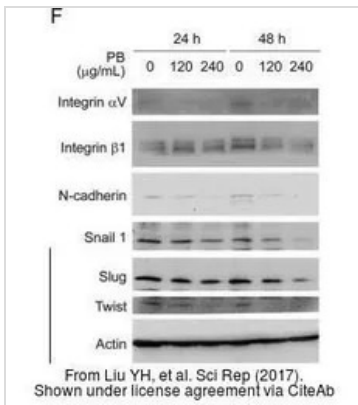


GTX127310 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 29182685](#)

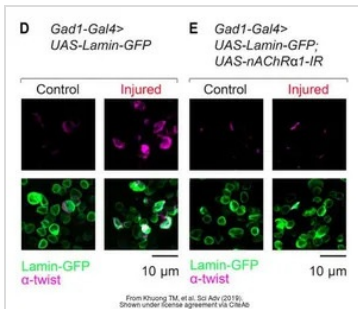


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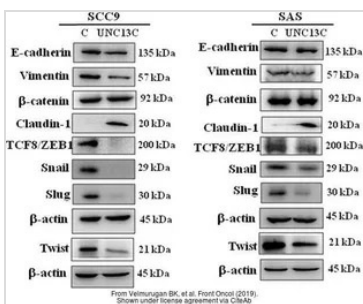
GTx127310 WB Image

The data was published in the journal Sci Rep in 2017. [PMID: 28134285](https://pubmed.ncbi.nlm.nih.gov/28134285/)



GTx127310 IHC Image

The data was published in the journal Sci Adv in 2019. [PMID: 31309148](https://pubmed.ncbi.nlm.nih.gov/31309148/)



GTx127310 WB Image

The data was published in the journal Front Oncol in 2019. [PMID: 31440468](https://pubmed.ncbi.nlm.nih.gov/31440468/)



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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 (599)

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)

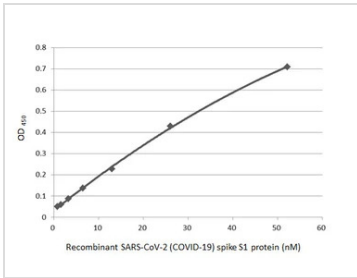
Note

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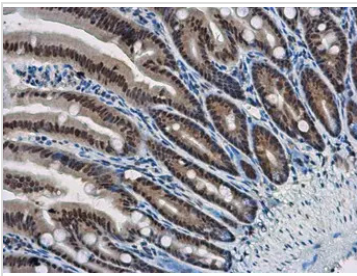
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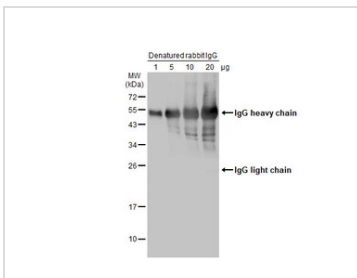
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DATA IMAGES

GTx213110-01 ELISA Image

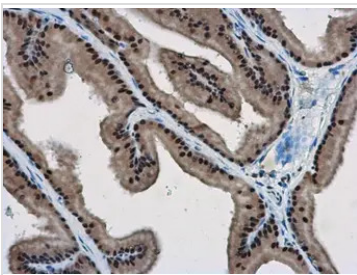
Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) (GTx135817-pro) (52.15-0.81 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTx635671) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTx213110-01) (1:10000) was used to detect bound primary antibody.


GTx213110-01 IHC-P Image

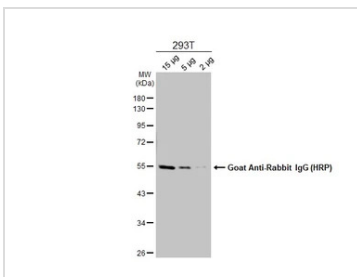
WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.
Sample: Paraffin-embedded mouse intestine.
WBP11 antibody (GTx118654) diluted at 1:500.
The signal was developed by Rabbit IgG antibody (HRP) (GTx213110-01)
Antigen Retrieval: Citrate buffer, pH 6.0, 15 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

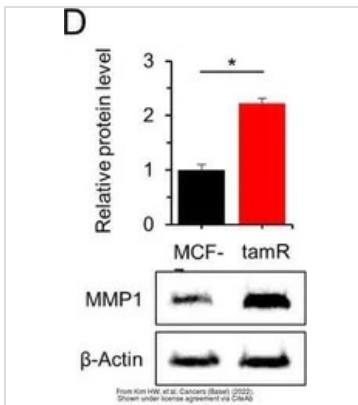
WBP11 antibody detects WBP11 protein at nucleus in rat prostate by immunohistochemical analysis.
Sample: Paraffin-embedded rat prostate.
WBP11 antibody (GTx118654) diluted at 1:500.
The signal was developed by Rabbit IgG antibody (HRP) (GTx213110-01).
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


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.

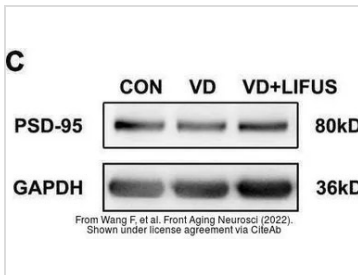


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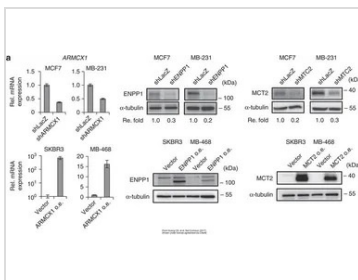
GTX213110-01 WB Image

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



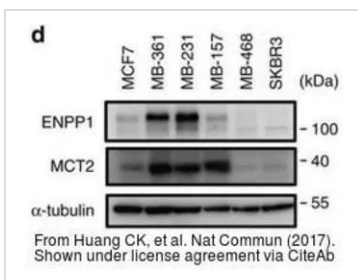
GTX213110-01 WB Image

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/)

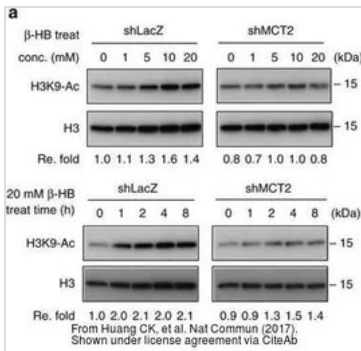


GTX213110-01 WB Image

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

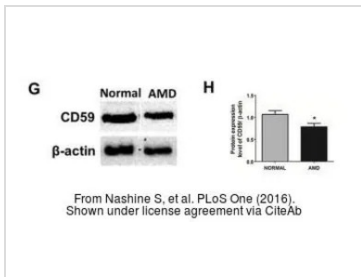


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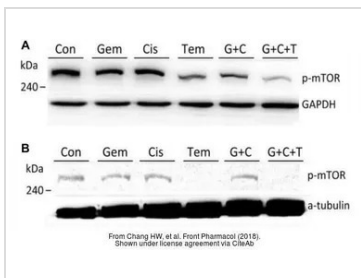
GTx213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](#)



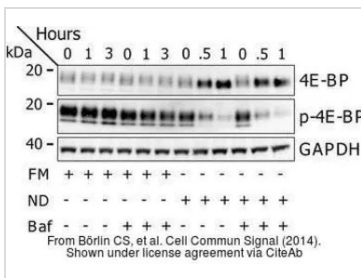
GTx213110-01 WB Image

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



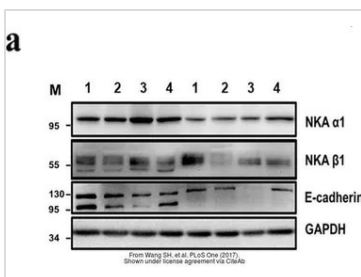
GTx213110-01 WB Image

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](#)

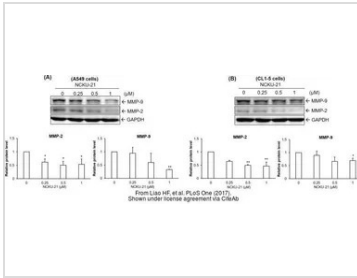


GTx213110-01 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 28832634](#)

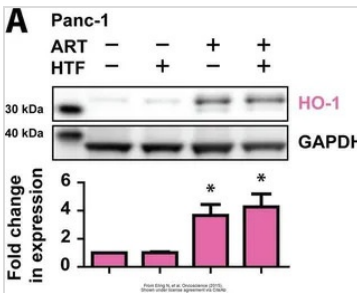


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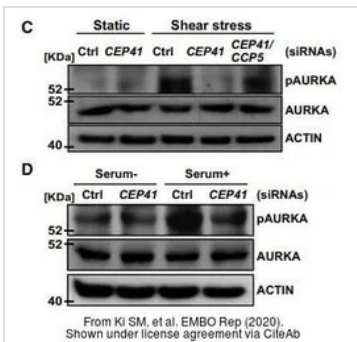
GTx213110-01 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 28945763](#)



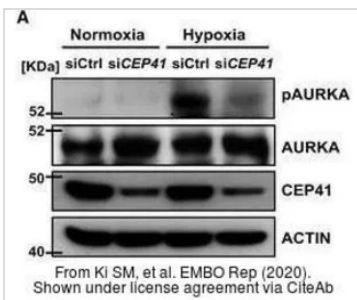
GTx213110-01 WB Image

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



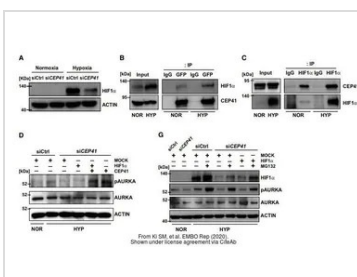
GTx213110-01 WB Image

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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HIF2 alpha antibody

Cat. No. GTX30114

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

References (15)

Package

100 µl

PRODUCT

Summary

HIF2 alpha antibody recognizes HIF2 alpha / EPAS1 protein, a transcription factor (predicted molecular weight of 97 kDa) induced by hypoxic conditions. It forms a heterodimer with HIF1 beta / ARNT to drive a specific gene expression profile in various physiological and pathological processes that occur in the context of hypoxia.

Applications

Application Note

Recommended Starting Dilutions:

For WB: Use at a dilution of 1:100-1:3000. Recognizes a band at 118kDa.

For IHC: Use at a dilution of 1:100.

For ICC/IF: Use at a dilution of 1:100-1:1000.

Optimal dilutions/concentrations should be determined by the researcher.

Calculated MW 97 kDa. ([Note](#))

Product Note Specific for HIF-2 alpha/EPAS. Does not cross react with HIF-1 alpha.

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.01% Thimerosal
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	A peptide derived from the mouse/human HIF2 alpha.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



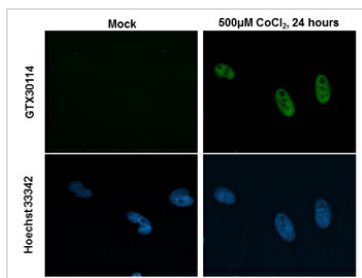
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Note

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DATA IMAGES



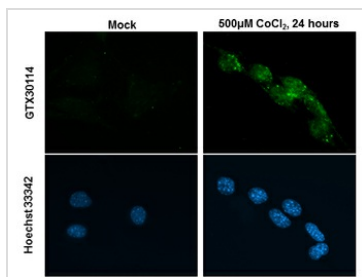
GTX30114 ICC/IF Image

HIF2 alpha antibody detects HIF2 alpha protein at nucleus by immunofluorescent analysis.

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

Green: HIF2 alpha stained by HIF2 alpha antibody (GTX30114) diluted at 1:200.

Blue: Hoechst 33342 staining.



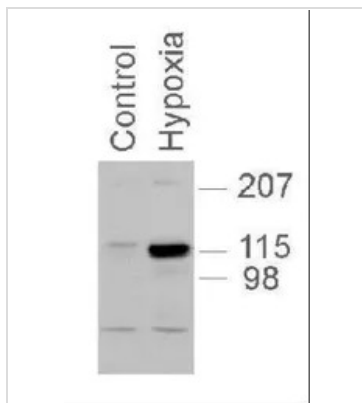
GTX30114 ICC/IF Image

HIF2 alpha antibody detects HIF2 alpha protein at nucleus by immunofluorescent analysis.

Sample: NIH-3T3 cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: HIF2 alpha stained by HIF2 alpha antibody (GTX30114) diluted at 1:200.

Blue: Hoechst 33342 staining.

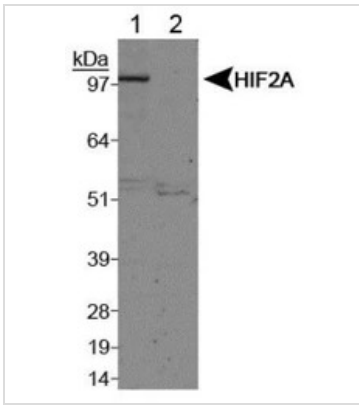


GTX30114 WB Image

GTX30114 utilized in western blot with PC12 nuclear extracts, 1:1,000, 5 second exposure.

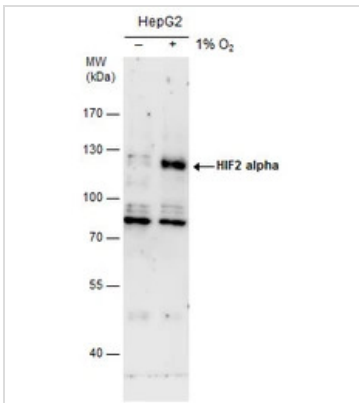


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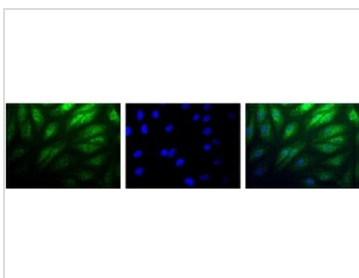
GTX30114 WB Image

Western Blot: HIF-2 alpha Antibody (GTX30114) - Analysis of HIF-2 alpha on Lane 1, Cobalt chloride treated COS7 nuclear extracts and Lane 2, Untreated COS7 nuclear extracts using GTX30114



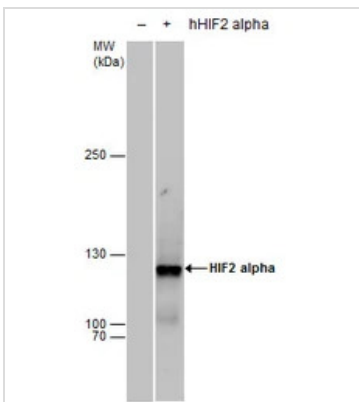
GTX30114 WB Image

HIF2 alpha antibody detects HIF2 alpha protein by western blot analysis. Un-treated (-) and treated (+, 0.01 O₂ treatment for 24h) HepG2 whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with HIF2 alpha antibody (GTX30114) diluted by 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX30114 ICC/IF Image

Immunocytochemistry/Immunofluorescence: HIF-2 alpha Antibody (GTX30114) - Detection of HIF-2 Alpha (Green) in RCC4 cells using GTX30114. Nuclei (Blue) are counterstained with Hoechst 33258.

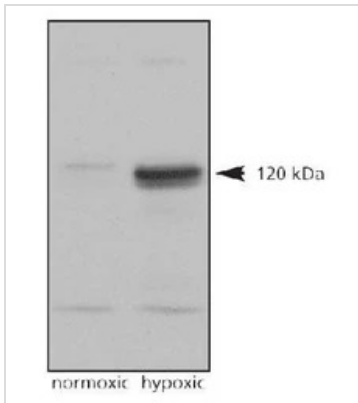


GTX30114 WB Image

HIF2 alpha antibody detects HIF2 alpha protein by western blot analysis. Non-transfected (-) and HIF2A-transfected (+, including Myc-DDK-tag) 293T whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with HIF2 alpha antibody (GTX30114) diluted by 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

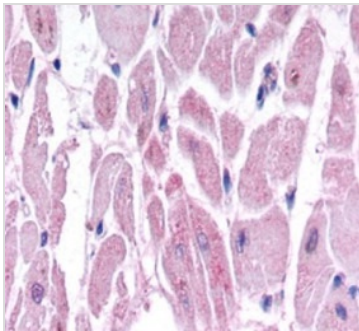


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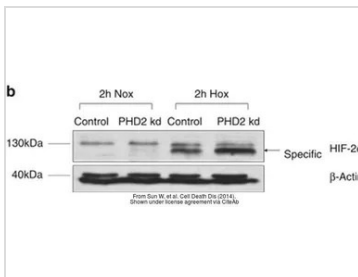
GTx30114 WB Image

Western Blot: HIF-2 alpha Antibody (GTx30114) - Analysis on normoxic and hypoxic nuclear rat cell lysates.



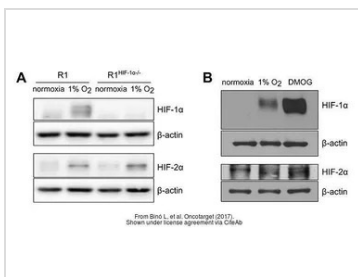
GTx30114 IHC Image

Immunohistochemistry: HIF-2 alpha Antibody (GTx30114) - Hif-2 alpha immunoreactivity in human cardiac myocytes



GTx30114 WB Image

The data was published in the journal Cell Death Dis in 2014. [PMID: 25010988](https://pubmed.ncbi.nlm.nih.gov/25010988/)



GTx30114 WB Image

The data was published in the journal Oncotarget in 2017. [PMID: 29137374](https://pubmed.ncbi.nlm.nih.gov/29137374/)



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Heme Oxygenase 1 antibody [HL1780]

Cat. No. GTX637432

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

References (2)

Package

100 µl, 25 µl

Applications

Application Note

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

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

Not tested in other applications.

Calculated MW 33 kDa. ([Note](#))**Product Note** This antibody is specific for human Heme Oxygenase 1 protein, and it does not cross react with human Heme Oxygenase 2 protein.

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 Heme Oxygenase 1
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

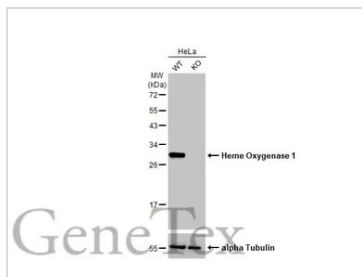
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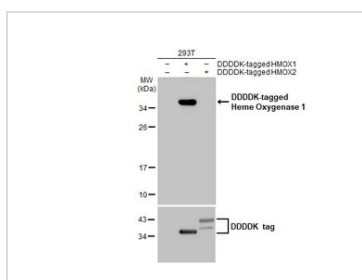
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DATA IMAGES



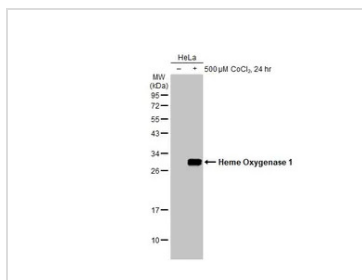
GTX637432 WB Image

Wild-type (WT) and HMOX1 knockout (KO) HeLa cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Heme Oxygenase 1 antibody [HL1780] (GTX637432) diluted at 1:2000. 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.



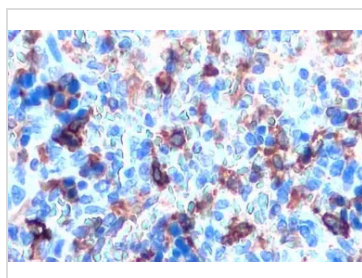
GTX637432 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Heme Oxygenase 1 antibody [HL1780] (GTX637432) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX637432 WB Image

Untreated (-) and treated (+) HeLa whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Heme Oxygenase 1 antibody [HL1780] (GTX637432) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



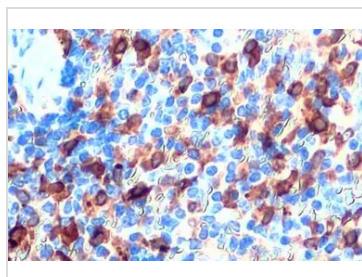
GTX637432 IHC-P Image

Heme Oxygenase 1 antibody [HL1780] detects Heme Oxygenase 1 protein at cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded mouse spleen.

Heme Oxygenase 1 stained by Heme Oxygenase 1 antibody [HL1780] (GTX637432) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX637432 IHC-P Image

Heme Oxygenase 1 antibody [HL1780] detects Heme Oxygenase 1 protein at cytoplasm by immunohistochemical analysis.

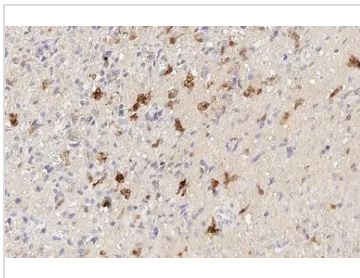
Sample: Paraffin-embedded rat spleen.

Heme Oxygenase 1 stained by Heme Oxygenase 1 antibody [HL1780] (GTX637432) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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GTX637432 IHC-P Image

Heme Oxygenase 1 antibody [HL1780] detects secreted Heme Oxygenase 1 protein by immunohistochemical analysis.

Sample: Paraffin-embedded cat spleen.

Heme Oxygenase 1 stained by Heme Oxygenase 1 antibody [HL1780] (GTX637432) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



For full product information, images and publications, please visit our [website](#).

NFkB p105 antibody [HL1784]

Cat. No. GTX637436

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB
Reactivity	Human

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
Not tested in other applications.	

Observed MW (kDa) 120 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	2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human NFkB p105. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

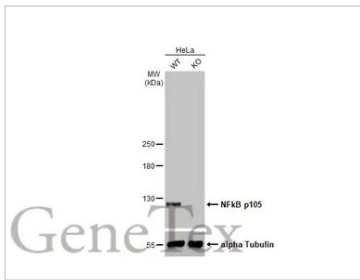
Note

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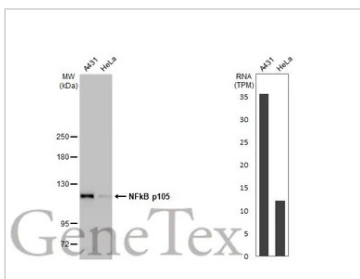
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DATA IMAGES

GTx637436 WB Image

Wild-type (WT) and NFKB1 knockout (KO) HeLa cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with NFKB p105 antibody [HL1784] (GTx637436) diluted at 1:500. 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.


GTx637436 WB Image

Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with NFKB p105 antibody [HL1784] (GTx637436) diluted at 1:500. 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. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



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HIF1 alpha antibody [HL3154]

Cat. No. GTX640664

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

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) 120-130 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 HIF1 alpha.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

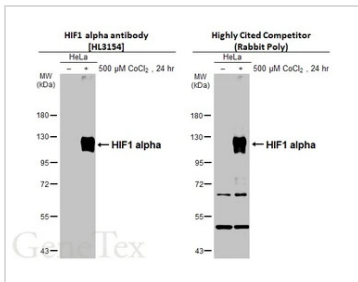
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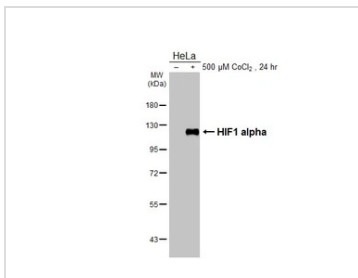


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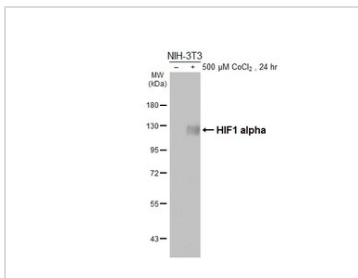
DATA IMAGES

GTX640664 WB Image

Untreated (–) and treated (+) HeLa whole cell extracts (30 μg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with HIF1 alpha antibody [HL3154] (GTX640664) diluted at 1:1000 and competitor's antibody (Competitor) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

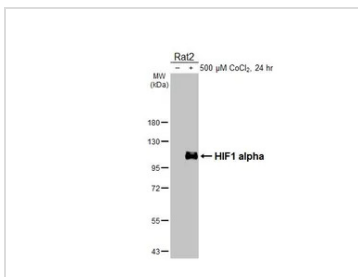
*The competitor is not affiliated with GeneTex and does not endorse this product.


GTX640664 WB Image

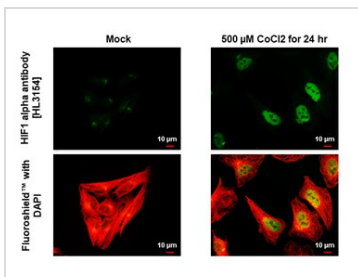
Untreated (–) and treated (+) HeLa whole cell extract (30 μg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with HIF1 alpha antibody [HL3154] (GTX640664) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


GTX640664 WB Image

Untreated (–) and treated (+) NIH-3T3 whole cell extract (30 μg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with HIF1 alpha antibody [HL3154] (GTX640664) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


GTX640664 WB Image

Untreated (–) and treated (+) Rat2 whole cell extracts (30 μg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with HIF1 alpha antibody [HL3154] (GTX640664) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


GTX640664 ICC/IF Image

HIF1 alpha antibody [HL3154] detects HIF1 alpha protein by immunofluorescent analysis.

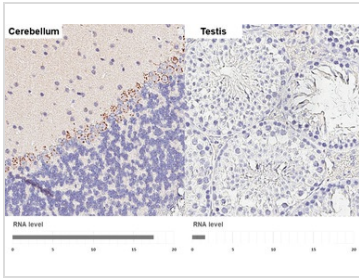
Sample: Mock and treated HeLa cells were fixed in ice-cold MeOH for 5 min.

Green: HIF1 alpha stained by HIF1 alpha antibody [HL3154] (GTX640664) diluted at 1:500.

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



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GTx640664 IHC-P Image

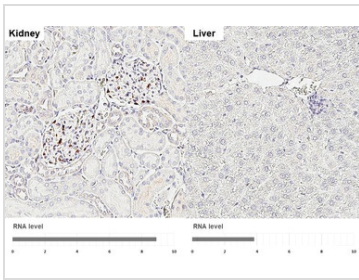
HIF1 alpha antibody [HL3154] detects HIF1 alpha protein by immunohistochemical analysis.

Sample: Paraffin-embedded mouse tissues.

HIF1 alpha stained by HIF1 alpha antibody [HL3154] (GTx640664) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

Corresponding RNA levels (RPKM) in the tissues are based on NCBI database.


GTx640664 IHC-P Image

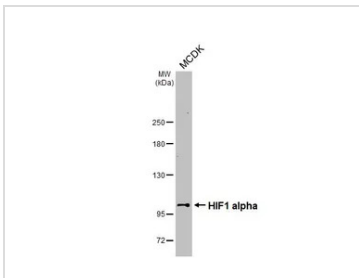
HIF1 alpha antibody [HL3154] detects HIF1 alpha protein by immunohistochemical analysis.

Sample: Paraffin-embedded rat tissues.

HIF1 alpha stained by HIF1 alpha antibody [HL3154] (GTx640664) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

Corresponding RNA levels (RPKM) in the tissues are based on NCBI database.


GTx640664 WB Image

MDCK whole cell extract (30 µg) was separated by 5% SDS-PAGE, and the membrane was blotted with HIF1 alpha antibody [HL3154] (GTx640664) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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