

GTX300101

## Antibody panel for EMT

## Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX127310	Twist1/2 antibody	Human, Mouse, Rat, Drosophila	WB, IHC-P, IHC	10 µl
GTX213110-01	Goat Anti-Rabbit IgG antibody (HRP)	Rabbit	WB, IHC-P, ELISA	25 µl
GTX636980	Vimentin antibody [HL1506]	Human, Mouse, Rat, Cat	WB, ICC/IF, IHC-P	10 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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## Twist1/2 antibody

Cat. No. GTX127310

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

References ( 71 )

★★★★☆ 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

<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>	0.67 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 Twist1/2. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

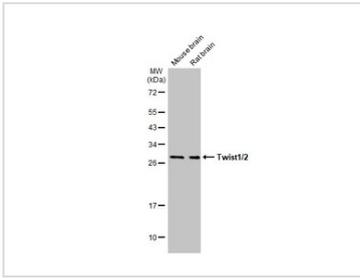
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DATA IMAGES



**GTX127310 WB Image**

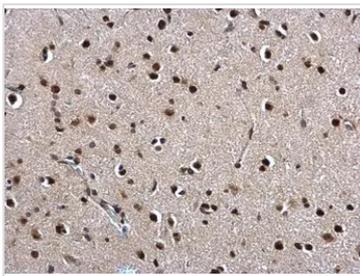
Various tissue extracts (50 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Twist1/2 antibody (GTX127310) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**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.

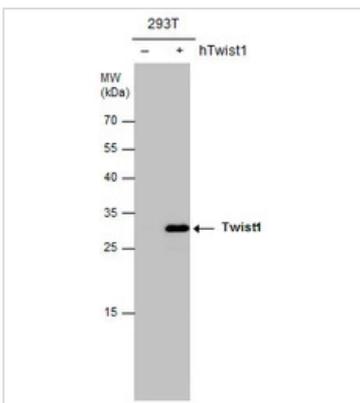
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



**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

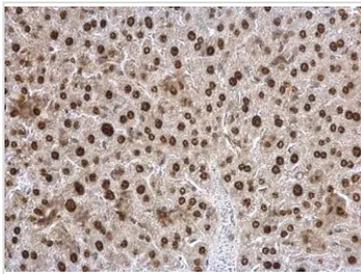


**GTX127310 WB Image**

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.



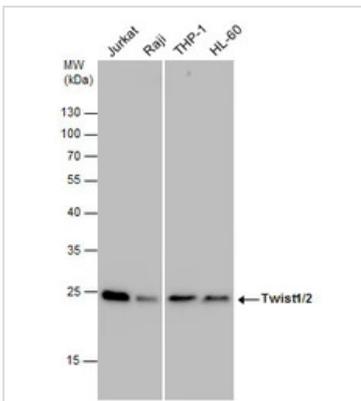
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**GTX127310 IHC-P Image**

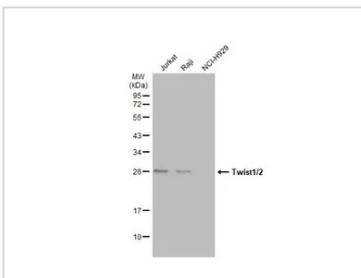
Twist1/2 antibody detects Twist1/2 protein at nucleus on mouse liver by immunohistochemical analysis.  
 Sample: Paraffin-embedded mouse liver.  
 Twist1/2 antibody (GTX127310) dilution: 1:500.

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



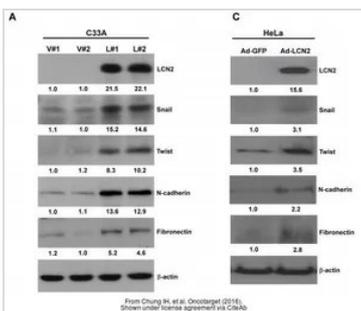
**GTX127310 WB Image**

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.



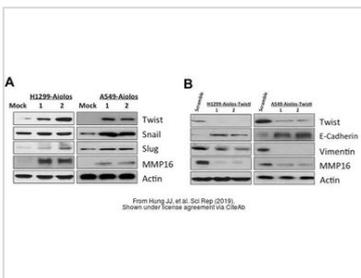
**GTX127310 WB Image**

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/)

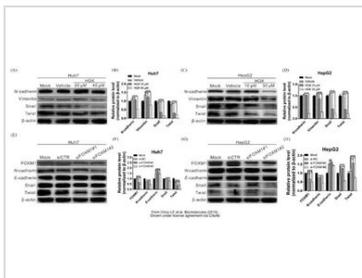


**GTX127310 WB Image**

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

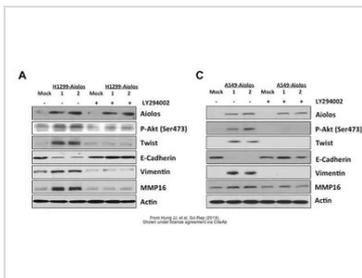


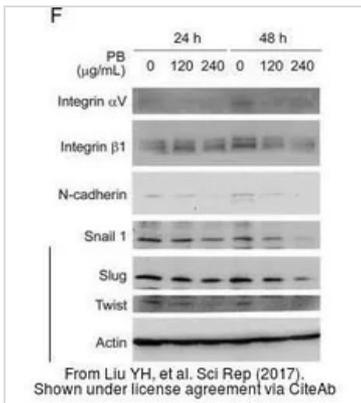
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**GTX127310 WB Image**

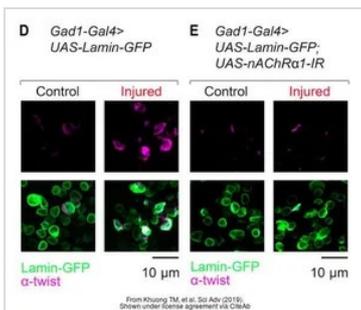
The data was published in the journal Biomolecules in 2019. [PMID: 31877715](https://pubmed.ncbi.nlm.nih.gov/31877715/)





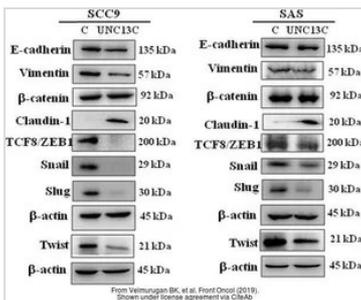
**GTX127310 WB Image**

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**

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

References ( 631 )

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)

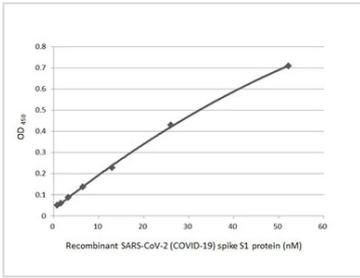
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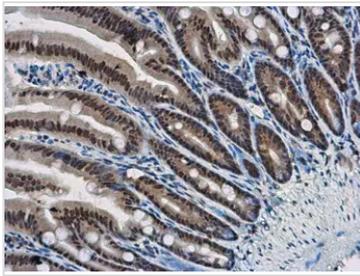
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DATA IMAGES



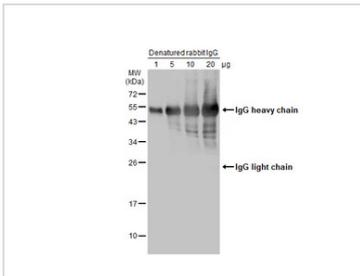
**GTX213110-01 ELISA Image**

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.



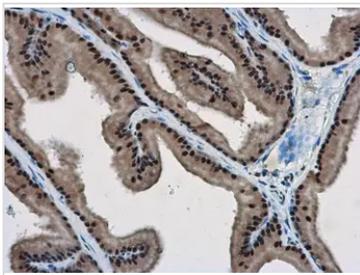
**GTX213110-01 IHC-P Image**

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



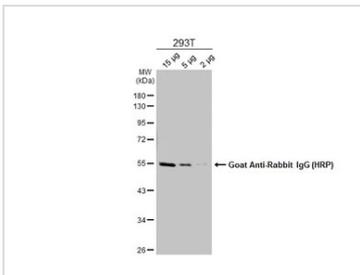
**GTX213110-01 WB Image**

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

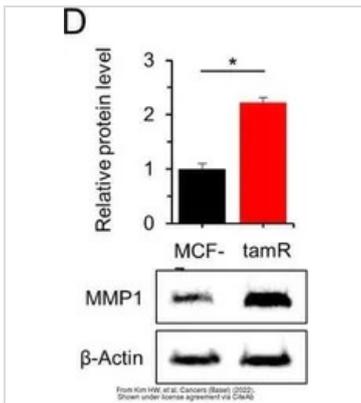


**GTX213110-01 WB Image**

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.

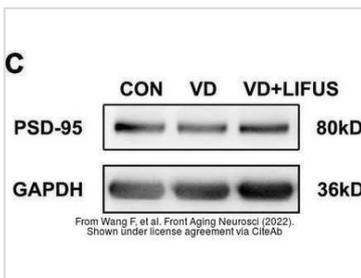


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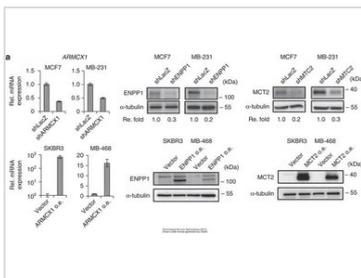
**GTx213110-01 WB Image**

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



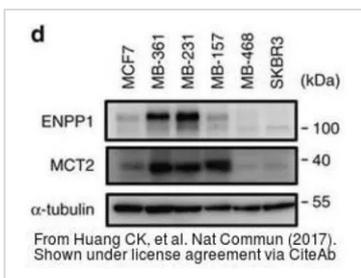
**GTx213110-01 WB Image**

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/)

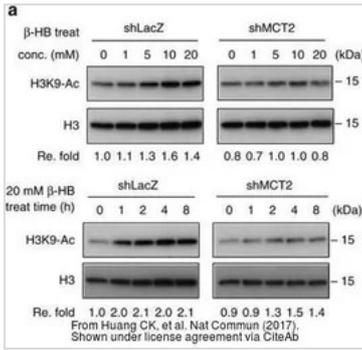


**GTx213110-01 WB Image**

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

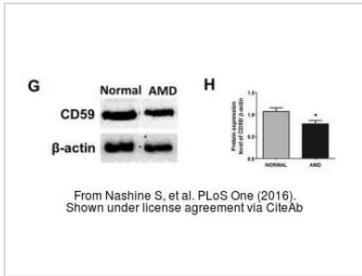


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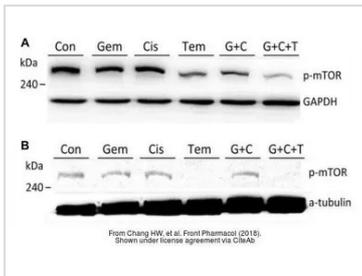
**GTx213110-01 WB Image**

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



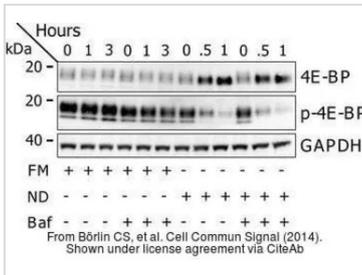
**GTx213110-01 WB Image**

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



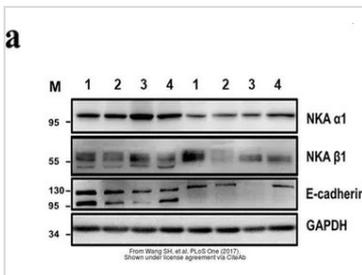
**GTx213110-01 WB Image**

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/)

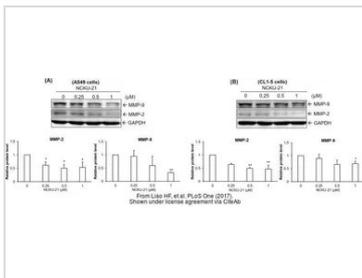


**GTx213110-01 WB Image**

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

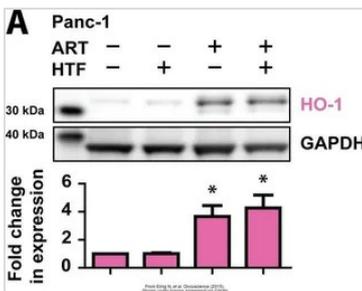


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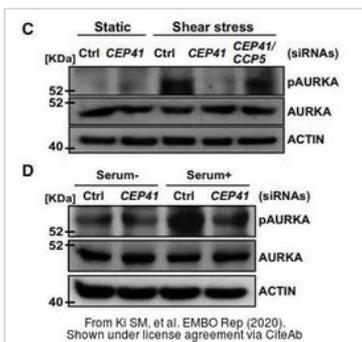
GTX213110-01 WB Image

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



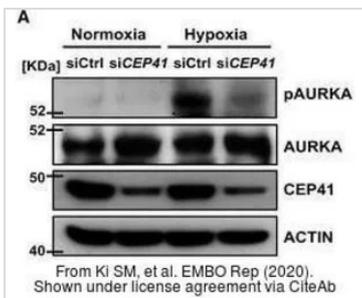
GTX213110-01 WB Image

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



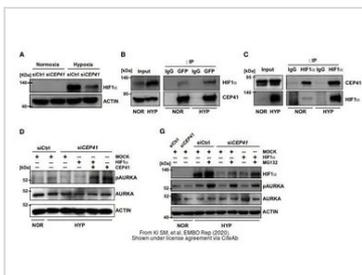
GTX213110-01 WB Image

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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## Vimentin antibody [HL1506]

**Cat. No. GTX636980**

<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

 Review ( 1 )

**Package**  
 100 µl, 25 µl

## Applications

**Application Note**

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

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

Not tested in other applications.

**Observed MW (kDa)** 54 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 protein encompassing a sequence within the center region of human Vimentin. The exact sequence is proprietary.
<b>Purification</b>	Affinity purified by Protein A.
<b>Conjugation</b>	Unconjugated

**Note**

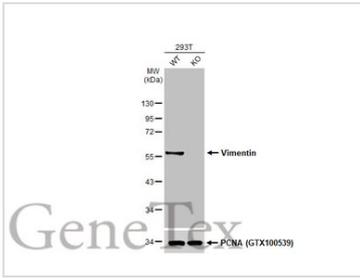
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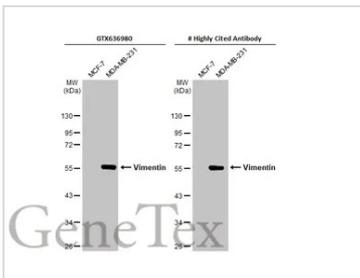
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DATA IMAGES



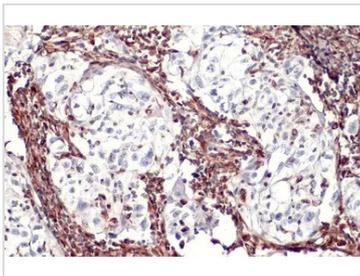
**GTX636980 WB Image**

Wild-type (WT) and Vimentin knockout (KO) HeLa cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [HL1506] (GTX636980) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



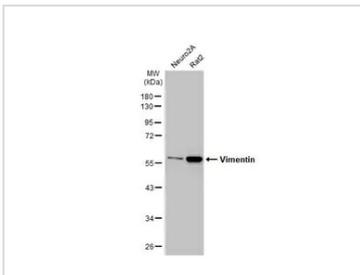
**GTX636980 WB Image**

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membranes were blotted with Vimentin antibody [HL1506] (GTX636980) diluted at 1:5000 and competitor's antibody (# Highly Cited Antibody) diluted at 1:5000. 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.



**GTX636980 IHC-P Image**

Vimentin antibody [HL1506] detects Vimentin protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded human breast carcinoma. Vimentin stained by Vimentin antibody [HL1506] (GTX636980) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX636980 WB Image**

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [HL1506] (GTX636980) diluted at 1:5000. 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.

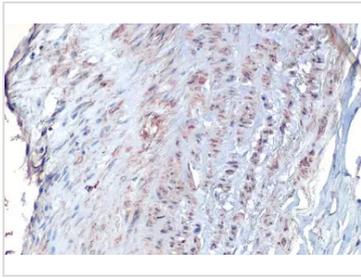


**GTX636980 IHC-P Image**

Vimentin antibody [HL1506] detects Vimentin protein by immunohistochemical analysis. Sample: Paraffin-embedded mouse eye. Green: Vimentin stained by Vimentin antibody [HL1506] (GTX636980) diluted at 1:100. Red: beta Tubulin 3/ Tuj1, a Cytoskeleton marker, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] (GTX631836) diluted at 1:500. Blue: Fluoroshield with DAPI (GTX30920). Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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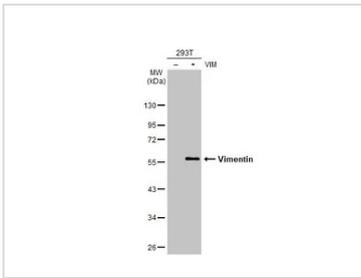
**GTX636980 IHC-P Image**

Vimentin antibody [HL1506] detects Vimentin protein at cell membrane and cytoplasm by immunohistochemical analysis.

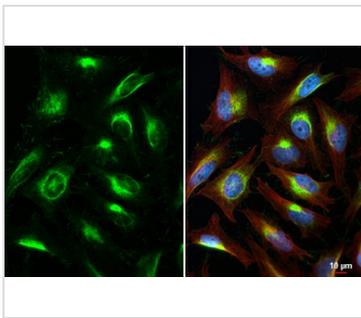
Sample: Paraffin-embedded human lung cancer.

Vimentin stained by Vimentin antibody [HL1506] (GTX636980) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

**GTX636980 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (10 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [HL1506] (GTX636980) diluted at 1:25000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

**GTX636980 ICC/IF Image**

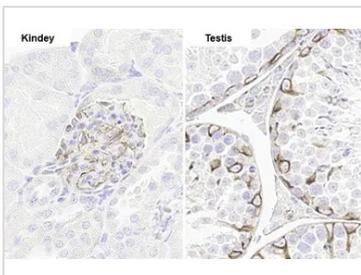
Vimentin antibody [HL1506] detects Vimentin protein at cytoskeleton and cell junction by immunofluorescent analysis.

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

Green: Vimentin stained by Vimentin antibody [HL1506] (GTX636980) 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).

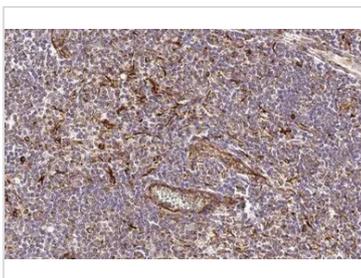
**GTX636980 IHC-P Image**

Vimentin antibody [HL1506] detects Vimentin protein by immunohistochemical analysis.

Sample: Paraffin-embedded mouse tissue.

Vimentin stained by Vimentin antibody [HL1506] (GTX636980) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

**GTX636980 IHC-P Image**

Vimentin antibody [HL1506] detects Vimentin protein at cytoplasm by immunohistochemical analysis.

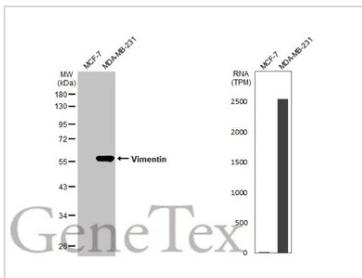
Sample: Paraffin-embedded cat lymph node.

Vimentin stained by Vimentin antibody [HL1506] (GTX636980) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

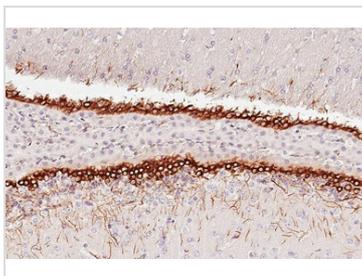


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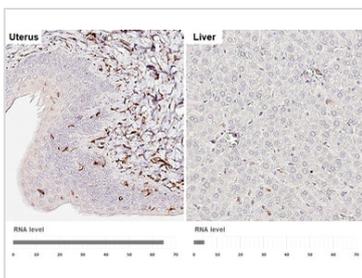
**GTX636980 WB Image**

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [HL1506] (GTX636980) diluted at 1:5000. 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.



**GTX636980 IHC-P Image**

Vimentin antibody [HL1506] detects Vimentin protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded rat brain ventricle.  
 Vimentin stained by Vimentin antibody [HL1506] (GTX636980) diluted at 1:100.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX636980 IHC-P Image**

Vimentin antibody [HL1506] detects Vimentin protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded rat tissues.  
 Vimentin stained by Vimentin antibody [HL1506] (GTX636980) 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.



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