

GTX300081

## Neuronal and Glial Markers Antibody Panel

## Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX109637	PGP9.5 antibody	Human, Mouse, Rat	WB, ICC/IF, IHC-P, IHC-Fr	25 µl
GTX127937	GAP43 antibody	Human, Mouse, Rat	WB, ICC/IF, IHC-P, IHC-Fr	25 µl
GTX213110-01	Goat Anti-Rabbit IgG antibody (HRP)	Rabbit	WB, IHC-P, ELISA	25 µl
GTX635363	Iba1 antibody [HL22]	Human, Mouse, Rat, Pig	WB, ICC/IF, IHC-P, IHC-Fr, IHC (Free Floating)	25 µl
GTX636725	GFAP antibody [HL1307]	Human, Mouse, Rat	WB, IHC-P, IHC-Fr, ELISA	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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## PGP9.5 antibody

**Cat. No. GTX109637**

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

References ( 24 )

★★★★★ Review ( 1 )

Package

100 µl, 25 µl

## Applications

**Application Note**

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

Suggested dilution	Recommended dilution
WB	1:1000-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	1:100-1:1000

Not tested in other applications.

**Calculated MW** 25 kDa. ( [Note](#) )

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.29 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human PGP9.5. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

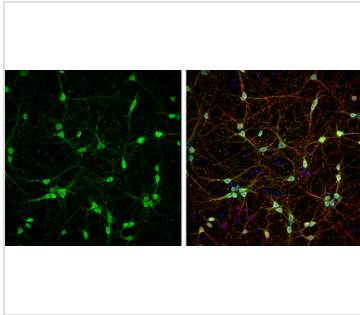


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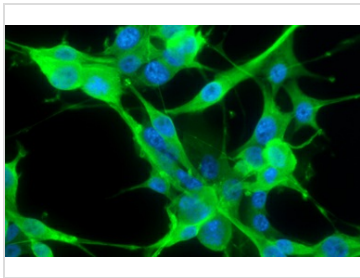
**Note**  
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DATA IMAGES



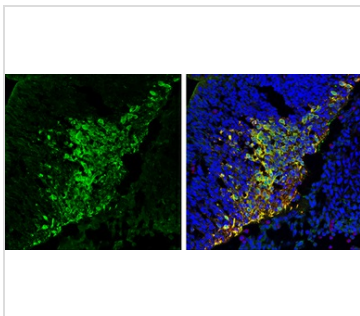
**GTX109637 ICC/IF Image**

PGP9.5 antibody detects PGP9.5 protein at cytoplasm by immunofluorescent analysis.  
 Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: PGP9.5 protein stained by PGP9.5 antibody (GTX109637) diluted at 1:500.  
 Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] (GTX631836) diluted at 1:500.  
 Blue: Fluoroshield with DAPI (GTX30920).



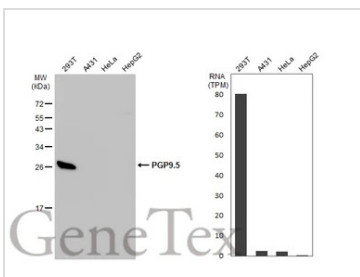
**GTX109637 ICC/IF Image**

PGP9.5 antibody detects PGP9.5 protein at cytoplasm by immunofluorescent analysis.  
 Sample: U87-MG cells were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: PGP9.5 stained by PGP9.5 antibody (GTX109637) diluted at 1:200.  
 Blue: Fluoroshield with DAPI (GTX30920).



**GTX109637 IHC-Fr Image**

PGP9.5 antibody detects PGP9.5 protein expression by immunohistochemical analysis.  
 Sample: Frozen sectioned E13.5 Rat brain.  
 Green: PGP9.5 protein stained by PGP9.5 antibody (GTX109637) diluted at 1:250.  
 Red: beta Tubulin 3/ TUJ1, a mature neuron marker, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] (GTX631836) diluted at 1:500.  
 Blue: Fluoroshield with DAPI (GTX30920).

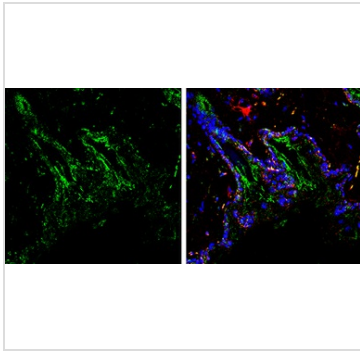


**GTX109637 WB Image**

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with PGP9.5 antibody (GTX109637) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



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**GTX109637 IHC-P Image**

PGP9.5 antibody detects PGP9.5 protein by immunohistochemical analysis.

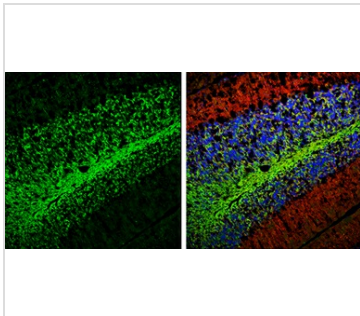
Samples: Paraffin-embedded mouse skin.

Green: PGP9.5 protein stained by PGP9.5 antibody (GTX109637) diluted at 1:250.

Red: beta Tubulin 3/ Tuj1, a marker, stained by beta Tubulin 3/ Tuj1 antibody [GT1338] (GTX631831) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX109637 IHC-Fr Image**

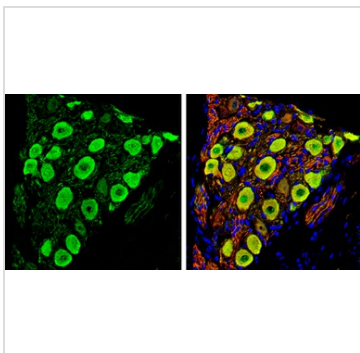
PGP9.5 antibody detects PGP9.5 protein expression by immunohistochemical analysis.

Sample: Frozen-sectioned adult mouse cerebellum.

Green: PGP9.5 protein stained by PGP9.5 antibody (GTX109637) diluted at 1:250.

Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] (GTX631836) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



**GTX109637 IHC-P Image**

PGP9.5 antibody detects PGP9.5 protein by immunohistochemical analysis.

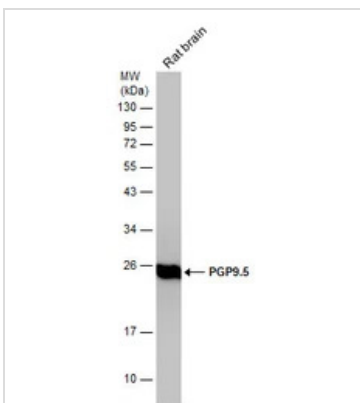
Samples: Paraffin-embedded rat colon.

Green: PGP9.5 protein stained by PGP9.5 antibody (GTX109637) diluted at 1:250.

Red: beta Tubulin 3/ Tuj1, a marker, stained by beta Tubulin 3/ Tuj1 antibody [GT1338] (GTX631831) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

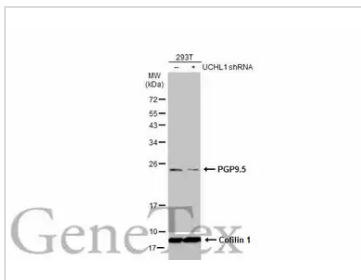


**GTX109637 WB Image**

Rat tissue extract (50 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with PGP9.5 antibody (GTX109637) diluted at 1:10000.

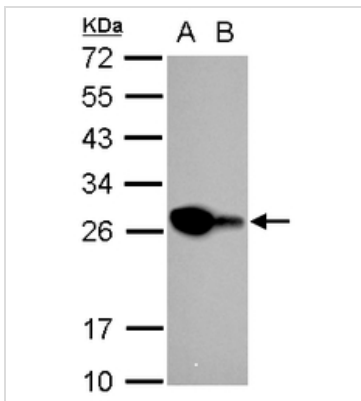


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**GTx109637 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with PGP9.5 antibody (GTx109637) diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



**GTx109637 WB Image**

PGP9.5 antibody detects PGP9.5 protein by western blot analysis.

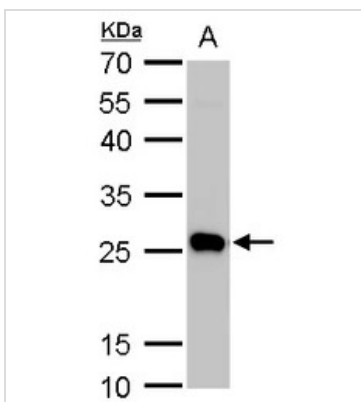
A. 30 µg Neuro2A whole cell lysate/extract

B. 30 µg GL261 whole cell lysate/extract

12% SDS-PAGE

PGP9.5 antibody (GTx109637) dilution: 1:10000

The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



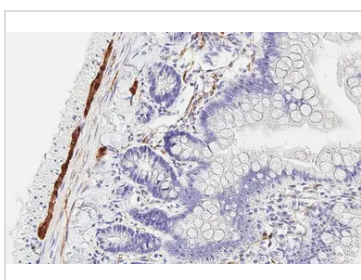
**GTx109637 WB Image**

PGP9.5 antibody detects PGP9.5 protein by Western blot analysis.

A. 50 µg mouse brain lysate/extract

12 % SDS-PAGE

PGP9.5 antibody (GTx109637) dilution: 1:5000



**GTx109637 IHC-P Image**

PGP9.5 antibody detects PGP9.5 protein by immunohistochemical analysis.

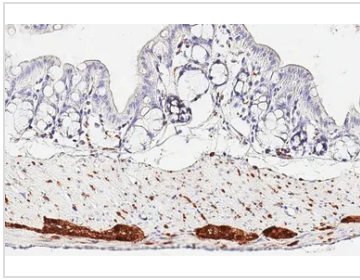
Sample: Paraffin-embedded rat colon.

PGP9.5 stained by PGP9.5 antibody (GTx109637) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

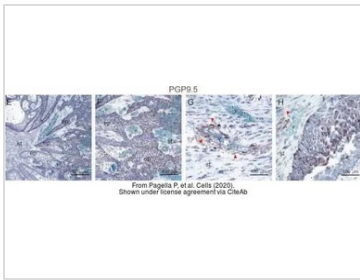


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**GTX109637 IHC-P Image**

PGP9.5 antibody detects PGP9.5 protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded mouse colon.  
 PGP9.5 stained by PGP9.5 antibody (GTX109637) diluted at 1:500.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX109637 IHC-P Image**

The data was published in the journal Cells in 2020. [PMID: 32155948](https://pubmed.ncbi.nlm.nih.gov/32155948/)



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## GAP43 antibody

Cat. No. GTX127937

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

References ( 6 )

★★★★★ Review ( 1 )

Package

100 µl, 25 µl

## Applications

## Application Note

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

Suggested dilution	Recommended dilution
WB	1:5000-1:30000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	1:100-1:1000

Not tested in other applications.

Calculated MW 24 kDa. ( [Note](#) )

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol
<b>Preservative</b>	0.01% Thimerosal
<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>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of rat GAP43. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated



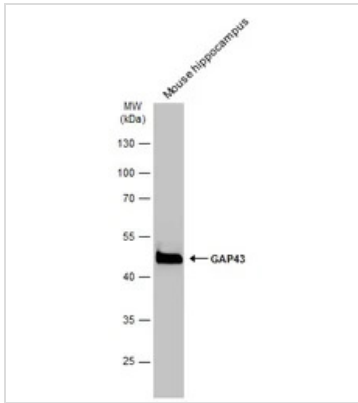
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#### Note

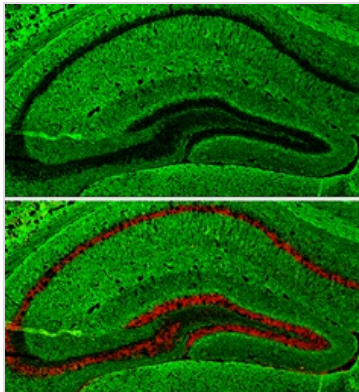
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#### DATA IMAGES



#### GTX127937 WB Image

Mouse tissue extract (50 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAP43 antibody (GTX127937) diluted at 1:30000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



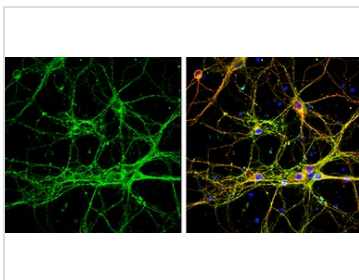
#### GTX127937 IHC-Fr Image

GAP43 antibody detects GAP43 protein expression by immunohistochemical analysis.

Sample: Frozen-sectioned adult mouse hippocampus.

Green: GAP43 protein stained by GAP43 antibody (GTX127937) diluted at 1:250.

Red: NeuN, stained by NeuN antibody [2Q158] (GTX30773) diluted at 1:500.



#### GTX127937 ICC/IF Image

GAP43 antibody detects GAP43 protein by immunofluorescent analysis.

Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min.

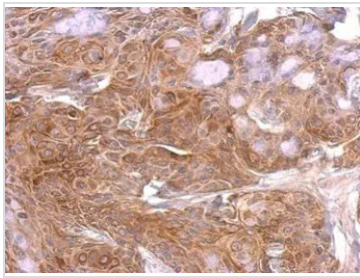
Green: GAP43 protein stained by GAP43 antibody (GTX127937) diluted at 1:500.

Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT886] (GTX631830) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



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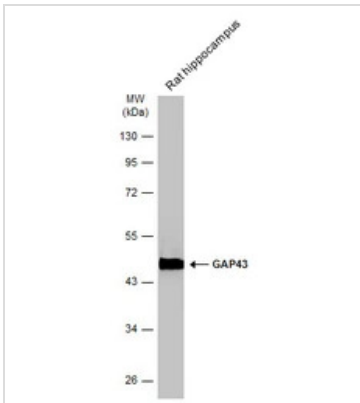
**GTX127937 IHC-P Image**

GAP43 antibody detects Gap43 protein at on Cal27 xenograft by immunohistochemical analysis.

Sample: Paraffin-embedded Cal27 xenograft.

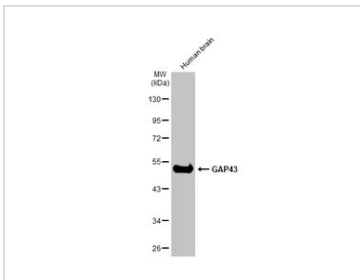
GAP43 antibody (GTX127937) dilution: 1:500.

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



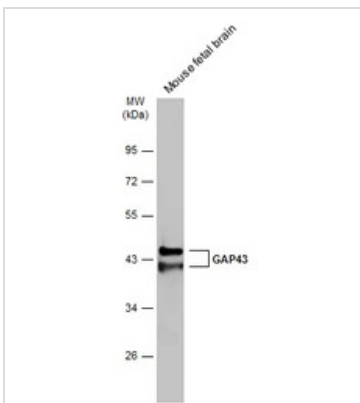
**GTX127937 WB Image**

Rat tissue extract (50 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAP43 antibody (GTX127937) diluted at 1:30000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**GTX127937 WB Image**

Human tissue extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAP43 antibody (GTX127937) diluted at 1:30000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

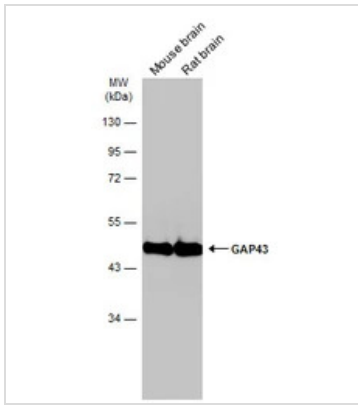


**GTX127937 WB Image**

Mouse tissue extract (50 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAP43 antibody (GTX127937) diluted at 1:30000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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#### GTX127937 WB Image

Various tissue extracts (50  $\mu$ g) were separated by 10% SDS-PAGE, and the membrane was blotted with GAP43 antibody (GTX127937) diluted at 1:30000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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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 ( 648 )

Package

1 ml

## Applications

**Application Note**

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

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

Not tested in other applications.

## Properties

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

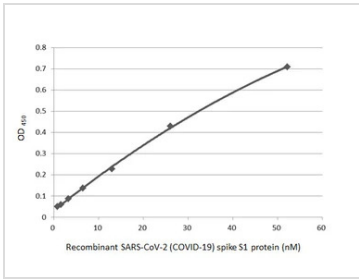
**Note**

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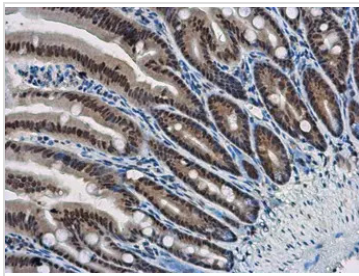
For full product information, images and publications, please visit our [website](#).

DATA IMAGES



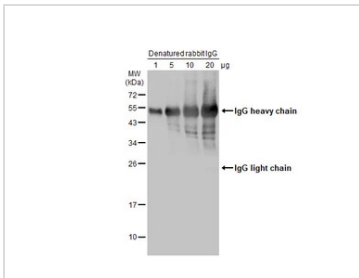
**GTX213110-01 ELISA Image**

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.



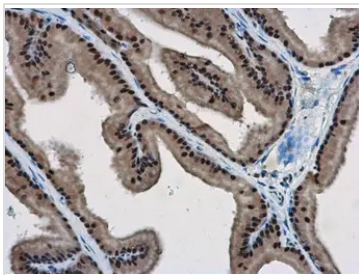
**GTX213110-01 IHC-P Image**

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



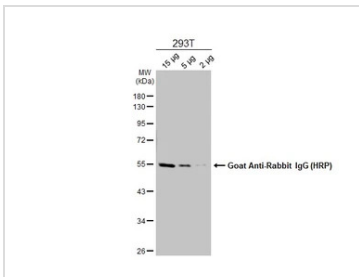
**GTX213110-01 WB Image**

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

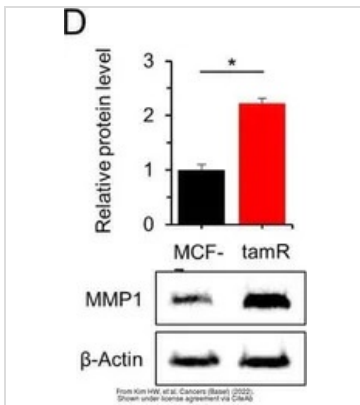


**GTX213110-01 WB Image**

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.

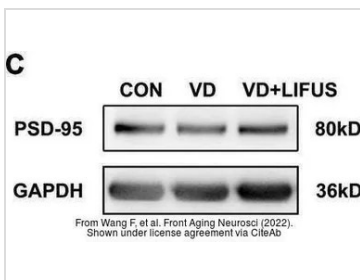


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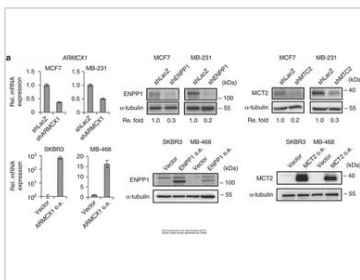
**GTx213110-01 WB Image**

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



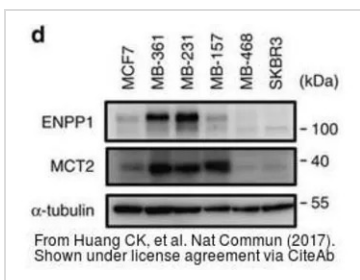
**GTx213110-01 WB Image**

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/)

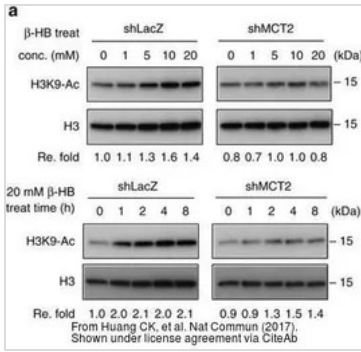


**GTx213110-01 WB Image**

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

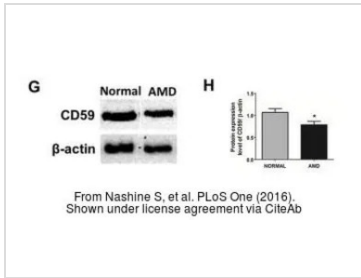


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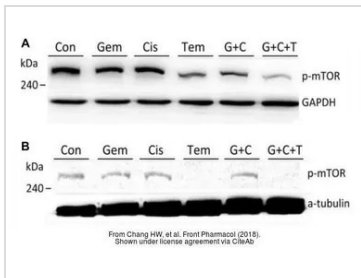
**GTx213110-01 WB Image**

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



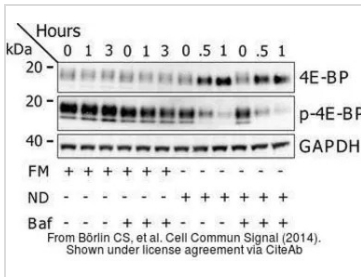
**GTx213110-01 WB Image**

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



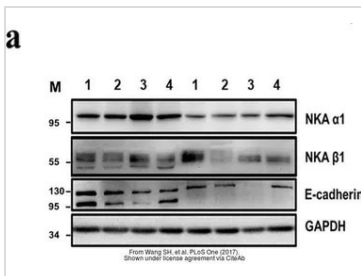
**GTx213110-01 WB Image**

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/)

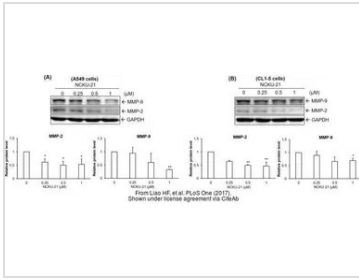


**GTx213110-01 WB Image**

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

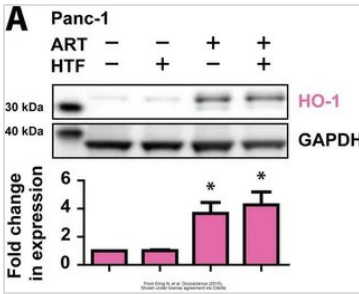


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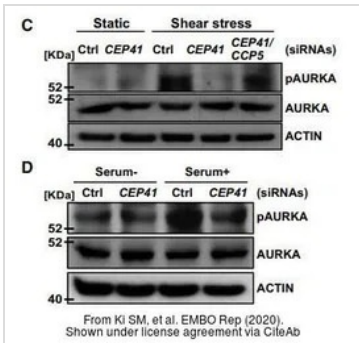
GTX213110-01 WB Image

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



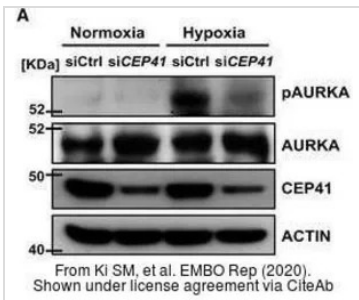
GTX213110-01 WB Image

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



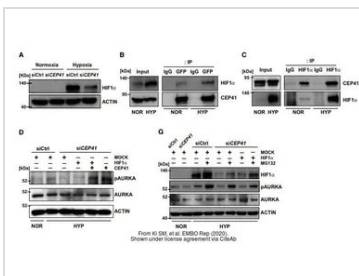
GTX213110-01 WB Image

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



GTX213110-01 WB Image

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



GTX213110-01 WB Image

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



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## Iba1 antibody [HL22]

**Cat. No. GTX635363**

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, IHC (Free Floating)
<b>Reactivity</b>	Human, Mouse, Rat, Pig

References ( 43 )

★★★★★ Review ( 4 )

Package

100 µl, 25 µl

## PRODUCT

## Summary

Iba1 antibody detects Iba1, a protein widely used by neuroscientists as a microglial marker and to gauge microglial activation. It is also expressed in macrophages. Discrimination between these two cell populations can be achieved via double staining with TMEM119 antibody (GTX134087), another useful microglia-specific marker, by identifying brain-residing microglia as Iba1+/TMEM119+ while CNS-infiltrating macrophages are Iba1+/TMEM119-.

## Applications

## Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IHC-P	1:100-1:1000
IHC-Fr	1:100-1:1000
IHC (Free Floating)	Assay dependent

Not tested in other applications.

**Observed MW (kDa)** 17 kDa.

**Product Note** Based on sequence homology, this antibody is predicted to recognize Iba-1 isoforms 1 and 2.

## Properties

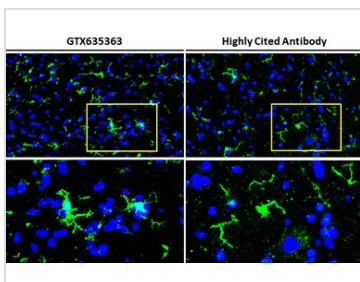
<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.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



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<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Iba1. The exact sequence is proprietary.
<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.

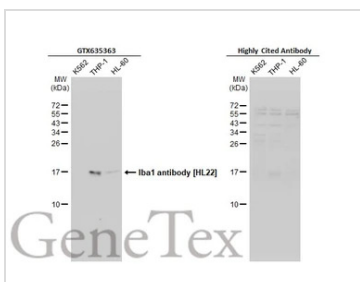
**DATA IMAGES**



**GTX635363 IHC-Fr Image**

Iba1 antibody [HL22] detects Iba1 protein by immunohistochemical analysis.  
 Sample: Frozen-sectioned mouse spinal cord.  
 Green: Iba1 stained by Iba1 antibody [HL22] (GTX635363) diluted at 1:200.  
 Blue: Fluoroshield with DAPI (GTX30920).

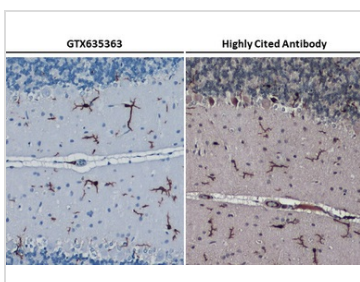
\*The competitor is not affiliated with GeneTex and does not endorse this product.



**GTX635363 WB Image**

Various whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membranes were blotted with Iba1 antibody [HL22] (GTX635363) diluted at 1:1000 and competitor's antibody 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.

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



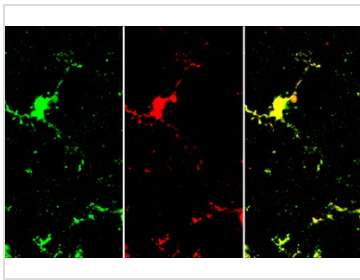
**GTX635363 IHC-P Image**

Iba1 antibody [HL22] detects Iba1 protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded rat cerebellum.  
 Iba1 stained by Iba1 antibody [HL22] (GTX635363) diluted at 1:1000.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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

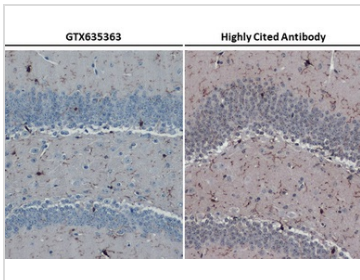


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**GTX635363 IHC-Fr Image**

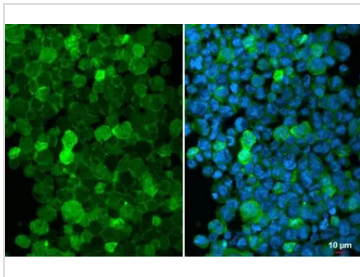
Iba1 antibody [HL22] detects Iba1 protein by immunohistochemical analysis.  
 Sample: Frozen-sectioned mouse brain.  
 Green: Iba1 stained by Iba1 antibody [HL22] (GTX635363) diluted at 1:100.  
 Red: Iba1 stained by Iba1 antibody [HL22-RT] (GTX635400) diluted at 1:100.  
 Blue: Fluoroshield with DAPI (GTX30920).



**GTX635363 IHC-P Image**

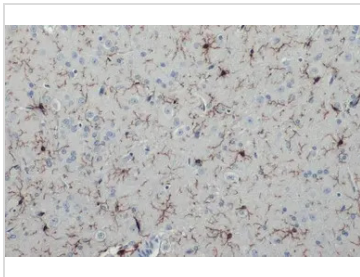
Iba1 antibody [HL22] detects Iba1 protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded mouse hippocampus.  
 Iba1 stained by Iba1 antibody [HL22] (GTX635363) diluted at 1:1000.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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



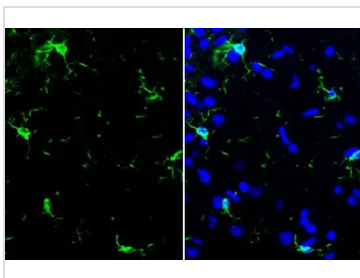
**GTX635363 ICC/IF Image**

Iba1 antibody [HL22] detects Iba1 protein at cytoplasm by immunofluorescent analysis.  
 Sample: THP-1 cells were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: Iba1 stained by Iba1 antibody [HL22] (GTX635363) diluted at 1:500.  
 Blue: Hoechst 33342 staining.



**GTX635363 IHC-P Image**

Iba1 antibody [HL22] detects Iba1 protein at cell membrane and cytoplasm by immunohistochemical analysis.  
 Sample: Paraffin-embedded rat brain.  
 Iba1 stained by Iba1 antibody [HL22] (GTX635363) diluted at 1:100.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

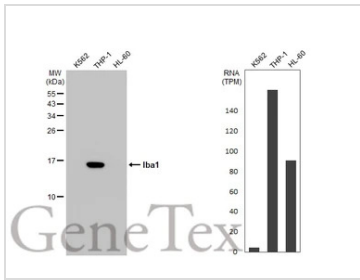


**GTX635363 IHC-P Image**

Iba1 antibody [HL22] detects Iba1 protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded rat brain.  
 Iba1 stained by Iba1 antibody [HL22] (GTX635363) conjugated with DyLight488 diluted at 1:200.  
 Blue: Fluoroshield with DAPI (GTX30920).  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



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**GTX635363 WB Image**

Various whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Iba1 antibody [HL22] (GTX635363) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



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## GFAP antibody [HL1307]

Cat. No. GTX636725

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, IHC-P, IHC-Fr, ELISA
<b>Reactivity</b>	Human, Mouse, Rat

**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
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
ELISA	Assay dependent

Not tested in other applications.

**Observed MW (kDa)** 43-50 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 GFAP. The exact sequence is proprietary.
<b>Purification</b>	Affinity purified by Protein A.
<b>Conjugation</b>	Unconjugated

## Note

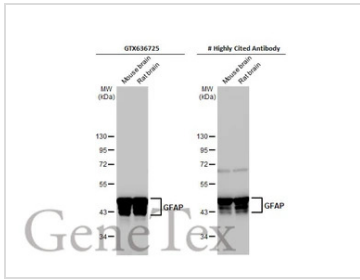
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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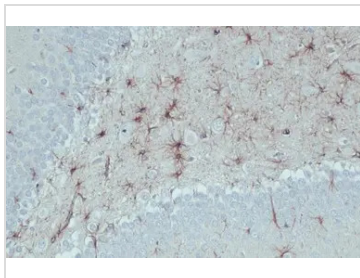
DATA IMAGES



**GTX636725 WB Image**

Various tissue extracts (50 µg) were separated by 10% SDS-PAGE, and the membranes were blotted with GFAP antibody [HL1307] (GTX636725) diluted at 1:3000 and competitor's antibody diluted at 1:3000. 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.

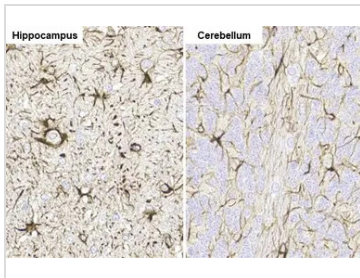


**GTX636725 IHC-P Image**

GFAP antibody [HL1307] detects GFAP protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat brain.

GFAP stained by GFAP antibody [HL1307] (GTX636725) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



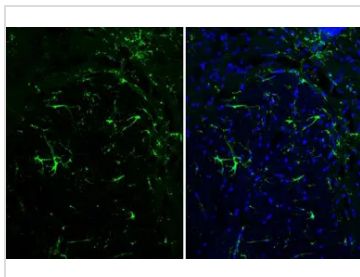
**GTX636725 IHC-P Image**

GFAP antibody [HL1307] detects GFAP protein by immunohistochemical analysis.

Sample: Paraffin-embedded rat tissue.

GFAP stained by GFAP antibody [HL1307] (GTX636725) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



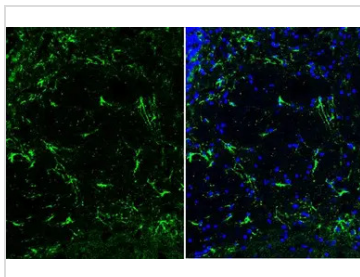
**GTX636725 IHC-Fr Image**

GFAP antibody [HL1307] detects GFAP protein at cytoplasm by immunohistochemical analysis.

Sample: Frozen-sectioned mouse spinal cord.

Green: GFAP stained by GFAP antibody [HL1307] (GTX636725) diluted at 1:100.

Blue: Fluoroshield with DAPI (GTX30920).



**GTX636725 IHC-Fr Image**

GFAP antibody [HL1307] detects GFAP protein at glia cells by immunohistochemical analysis.

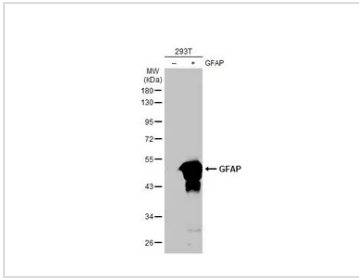
Sample: Frozen-sectioned mouse cerebellum.

Green: GFAP stained by GFAP antibody [HL1307] (GTX636725) diluted at 1:200.

Blue: Fluoroshield with DAPI (GTX30920).

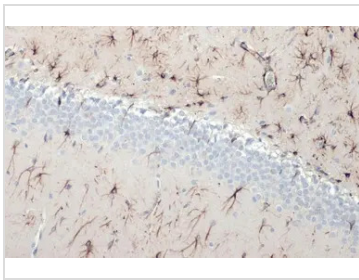


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**GTX636725 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GFAP antibody [HL1307] (GTX636725) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



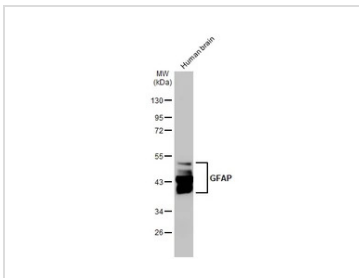
**GTX636725 IHC-P Image**

GFAP antibody [HL1307] detects GFAP protein at cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded rat brain.

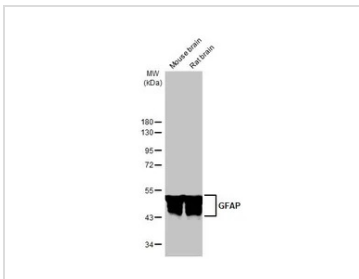
GFAP stained by GFAP antibody [HL1307] (GTX636725) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



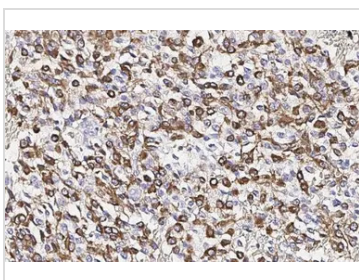
**GTX636725 WB Image**

Human tissue extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GFAP antibody [HL1307] (GTX636725) diluted at 1:100000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**GTX636725 WB Image**

Various tissue extracts (50 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GFAP antibody [HL1307] (GTX636725) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**GTX636725 IHC-P Image**

GFAP antibody [HL1307] detects GFAP protein by immunohistochemical analysis.

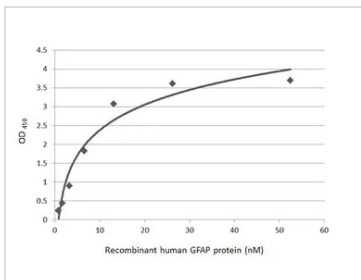
Sample: Paraffin-embedded human glioblastoma.

GFAP stained by GFAP antibody [HL1307] (GTX636725) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

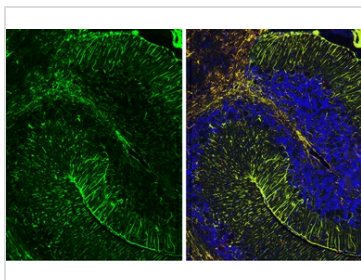


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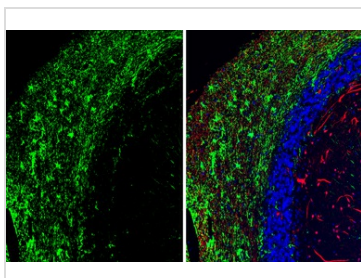
**GTX636725 ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant full-length human GFAP protein (52.42-0.82 nM). Coated protein was probed with GFAP antibody [HL1307] (GTX636725) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.



**GTX636725 IHC-P Image**

GFAP antibody [HL1307] detects GFAP protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded mouse cerebellum.  
 Green: GFAP stained by GFAP antibody [HL1307] (GTX636725) diluted at 1:200.  
 Red: GFAP antibody [GT25] (GTX641104) diluted at 1:250.  
 Blue: Hoechst 33342 staining.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX636725 IHC-P Image**

GFAP antibody [HL1307] detects GFAP protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded human cerebellum.  
 Green: GFAP stained by GFAP antibody [HL1307] (GTX636725) diluted at 1:500.  
 Red: beta Tubulin 3/ Tuj1 antibody [GT11710] (GTX631836) diluted at 1:500.  
 Blue: Hoechst 33342 staining.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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