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# anti-GPR151 antibody (Cytoplasmic Domain)

2 Images



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Quantity:	50 µg
Target:	GPR151
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR151 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	

### **Product Details**

Brand:	IHC-plus™
Immunogen:	Synthetic 18 amino acid peptide from 3rd cytoplasmic domain of human GPR151. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%), Hamster, Elephant, Panda, Dog (94%), Bovine (89%), Horse, Xenopus (83%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human GPR151. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%) Hamster, Elephant, Panda, Dog (94%) Bovine (89%) Horse, Xenopus (83%).
Purification:	Immunoaffinity purified

#### **Target Details**

Target:	GPR151
Alternative Name:	GPR151 (GPR151 Products)
Background:	Name/Gene ID: GPR151
	Subfamily: Orphan-U
	Family: GPCR
	Synonyms: GPR151, AXOR40, G protein-coupled receptor 151, Galanin receptor 4, GALR4,
	GPCR-2037, HGPRBMY7, GALRL, PGR7
Gene ID:	134391

# **Application Details**

Assay Procedure:	The IHC-pro Immunohistochemistry Protocol
Comment:	Target Species of Antibody: Human
Application Notes:	Approved: IHC, IHC-P (7 - 12 μg/mL)

# Tissue Preparation

Formalin fixation and embedding in paraffin wax

#### **Tissue Sectioning**

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

#### Rehydration

Wash slides in 3 changes of 100% alcohol - 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol - 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

#### Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

#### **Immunostaining**

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block - 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate - 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

#### **Dehydrate**

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol - 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:

For Research Use only

#### Handling

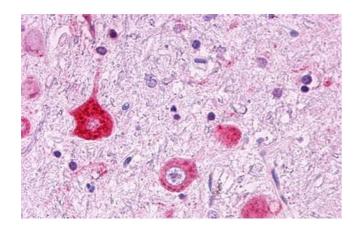
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

# Handling

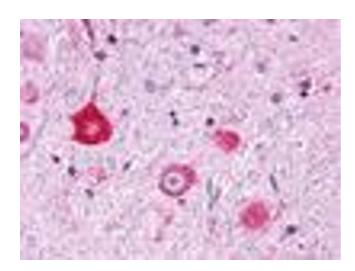
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for
	up to 1 month. Avoid freeze-thaw cycles

Expiry Date: 12 months

## **Images**



## Image 1.



# **Immunohistochemistry**

**Image 2.** Anti-GPR151 antibody IHC of human brain, thalamus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.