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anti-GALR2 antibody (Transmembrane Domain)



Purification:



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Overview	
Quantity:	50 µg
Target:	GALR2
Binding Specificity:	Transmembrane Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Brand:	IHC-plus™
Immunogen:	Synthetic 18 amino acid peptide from 7th transmembrane domain of human GALR2. Percent identity with other species by BLAST analysis: Human (100%), Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Bovine, Horse (94%), Panda, Dog, Bat (89%), Platypus (83%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human GALR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human (100%) Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Bovine, Horse (94%) Panda, Dog, Bat (89%) Platypus (83%).

Immunoaffinity purified

Target Details

Target:	GALR2
Alternative Name:	GALR2 / Galanin Receptor 2 (GALR2 Products)
Background:	Name/Gene ID: GALR2
	Subfamily: Galanin
	Family: GPCR
	Synonyms: GALR2, Galanin-2 receptor, Gal-2 receptor, Galanin receptor type 2, GALNR2, GALR-
	2, Gal receptor 2, GAL subtype 2 receptor, Gal-r2, Galanin r2 receptor, GAL2-R, Galanin receptor
	2, Galanin receptor subtype 2
Gene ID:	8811
Pathways:	cAMP Metabolic Process, Inositol Metabolic Process, Feeding Behaviour

Application Details

Application Notes:	Approved: IHC, IHC-P (40 μg/mL)
Comment:	Target Species of Antibody: Human

Assay Procedure:

The IHC-pro Immunohistochemistry Protocol

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

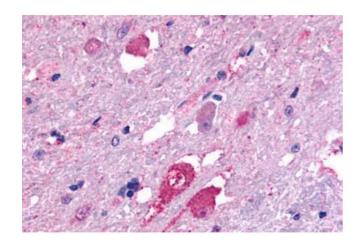
Handling

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

Handling

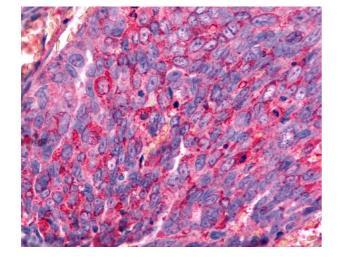
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-GALR2 antibody ABIN1048645 IHC staining of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-GALR2 / Galanin Receptor 2 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.