

Datasheet for ABIN1048642

anti-Galanin Receptor 1 antibody (Extracellular Domain)[Go to Product page](#)**3** Images

Overview

Quantity:	50 µg
Target:	Galanin Receptor 1 (GALR1)
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Galanin Receptor 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 19 amino acid peptide from 2nd extracellular domain of human GALR1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%). Type of Immunogen: Synthetic peptide
Specificity:	Human GALR1. 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%).
Purification:	Immunoaffinity purified

Target Details

Target:	Galanin Receptor 1 (GALR1)
Alternative Name:	GALR1 / Galanin Receptor 1 (GALR1 Products)
Background:	Name/Gene ID: GALR1 Subfamily: Galanin Family: GPCR Synonyms: GALR1, Galanin receptor type 1, Galanin receptor 1, Galanin receptor galr1, Galanin-1 receptor, GALNR1, Gal receptor 1, Gal-r1, Galn1r, Gal-1 receptor, GAL1-R, Galanin r1 receptor, GALNR, GALR-1, Hugal 1-r
Gene ID:	2587
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Approved: IHC, IHC-P (100 µg/mL) Not recommended for: Flo, ICC, IF, IP, WB
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

Handling

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
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

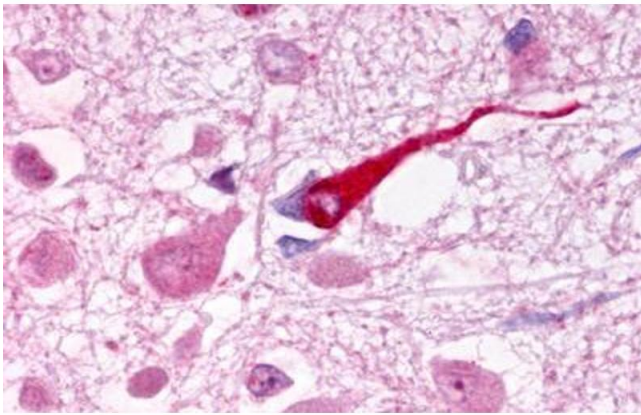


Image 1.

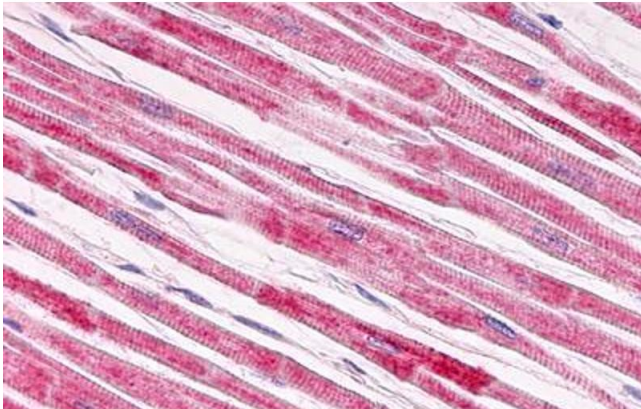
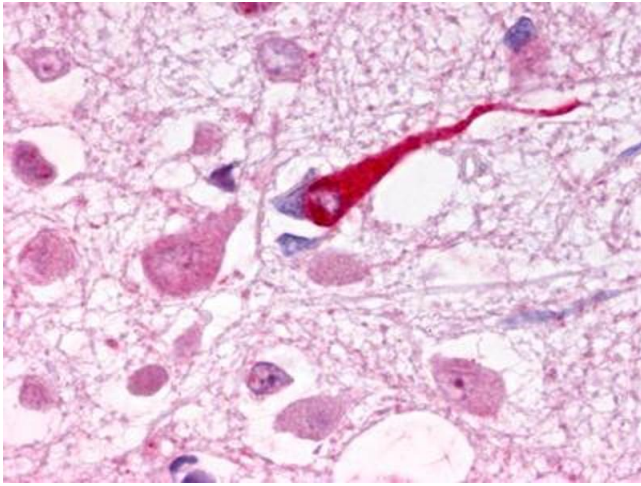


Image 2.



Immunohistochemistry

Image 3. Anti-Galanin Receptor 1 / GALR1 antibody IHC of human brain, hypothalamus arcuate nucleus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 100 ug/ml.