

Datasheet for ABIN7043180

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

Overview

Quantity:	50 µL
Target:	Galanin Receptor 1 (GALR1)
Binding Specificity:	1st Extracellular Loop, AA 60-71
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Galanin Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: RSKPGKPRSTN(C), corresponding to amino acid residues 60-71 of mouse Galanin receptor type 1
Isotype:	IgG
Characteristics:	Anti-GALR1 Antibody (ABIN7043180 and ABIN7044397) is a highly specific antibody directed against an epitope of the mouse Galanin receptor 1. The antibody can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize GALR1 from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

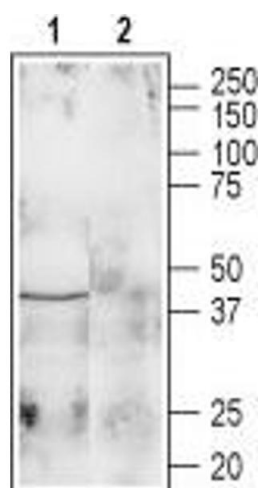
Target:	Galanin Receptor 1 (GALR1)
Alternative Name:	GALR1 (GALR1 Products)
Background:	Alternative names: GALR1, Galanin receptor type 1, GALNR1, GAL1R
Gene ID:	14427
NCBI Accession:	NM_001480
UniProt:	P56479
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

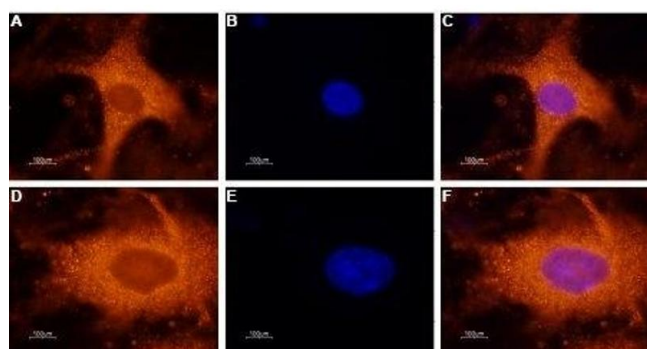
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



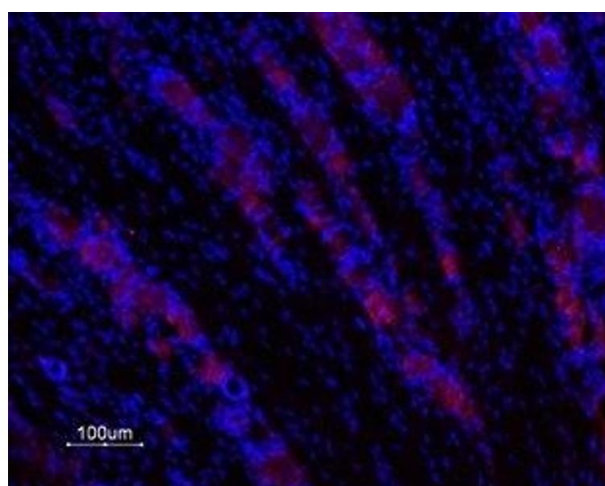
Western Blotting

Image 1. Western blot analysis of rat brain lysate: - 1. Anti-GALR1 Antibody (ABIN7043180 and ABIN7044397), (1:200). 2. Anti-GALR1 Antibody, preincubated with GALR1 Blocking Peptide (#BLP-GR011).



Immunocytochemistry

Image 2. Expression of Galanin receptor 1 in rat DRG - Immunocytochemical staining of GALR1 in a primary culture of rat dorsal root ganglion (DRG) neurons. A, D. Paraformaldehyde-fixed and permeabilized DRG primary culture stained with Anti-GALR1 Antibody (ABIN7043180 and ABIN7044397), (1:100) followed by goat-anti-rabbit-AlexaFluor-555 secondary antibody (red). B, E. Nuclear fluorescence staining of cells using Hoechst 33342 (blue). C. Merged images of panels A and B. F. Merged images of panels D and E.



Immunohistochemistry

Image 3. Expression of Galanin receptor 1 in rat DRG - Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen section using Anti-GALR1 Antibody (ABIN7043180 and ABIN7044397), (1:200), (red). Galanin receptor 1 is expressed in DRG neuron cells. Hoechst 33342 is used as the counterstain (blue).