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Datasheet for ABIN7043181

anti-GALR2 antibody (3rd Intracellular Loop)

2 Images

Overview

Quantity:	50 µL
Target:	GALR2
Binding Specificity:	3rd Intracellular Loop, AA 223-235
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GSGSQRAKRKVTR, corresponding to amino acid residues 223-235 of mouse Galanin receptor type 2
Isotype:	IgG
Characteristics:	Anti-GALR2 Antibody is directed against an epitope of the mouse Galanin receptor 2. Anti-GALR2 Antibody (ABIN7043181, ABIN7044398 and ABIN7044399) can be used in western blot and immunohistochemistry applications. It has been designed to recognize GALR2 from mouse, rat and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

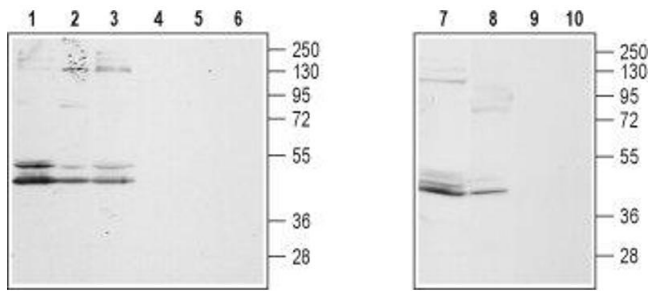
Target:	GALR2
Alternative Name:	GALR2 (GALR2 Products)
Background:	Alternative names: GALR2, Galanin receptor type 2, GALNR2, GAL2R
Gene ID:	14428
NCBI Accession:	NM_003857
UniProt:	O88854
Pathways:	cAMP Metabolic Process , Inositol Metabolic Process , Feeding Behaviour

Application Details

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

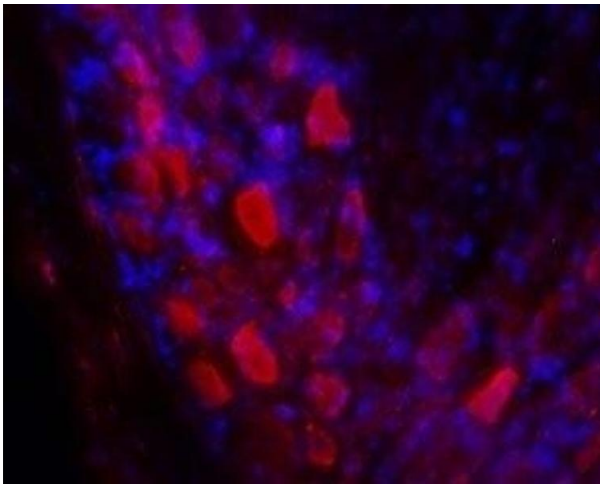
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 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 hippocampus, DRG (lanes 2 and 5), brain (lanes 3 and 6), mouse brain (lanes 7 and 9) and human prostate carcinoma LNCaP cell lysates: - 1,2,3,7,8. Anti-GALR2 Antibody (ABIN7043181, ABIN7044398 and ABIN7044399), (1:200).4,5,6,9,10. Anti-GALR2 Antibody, preincubated with GALR2 Blocking Peptide (#BLP-GR012).



Immunohistochemistry

Image 2. Expression of Galanin receptor 2 in rat DRG - Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen sections using Anti-GALR2 Antibody (ABIN7043181, ABIN7044398 and ABIN7044399), (1:100). GALR2 is expressed in the DRG neurons. Hoechst 33342 is used as the counterstain.