



[Go to Product page](#)

Datasheet for ABIN2854711
anti-GALR2 antibody (C-Term)

2 Images

Overview

Quantity:	100 µL
Target:	GALR2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human GALR2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Galanin Receptor 2 (galanin receptor 2) Galanin Receptor 2 antibody [C1C2], Internal
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	GALR2
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Target Details

Alternative Name: galanin receptor 2 ([GALR2 Products](#))

Background: Galanin is an important neuromodulator present in the brain, gastrointestinal system, and hypothalamopituitary axis. It is a 30-amino acid non-C-terminally amidated peptide that potently stimulates growth hormone secretion, inhibits cardiac vagal slowing of heart rate, abolishes sinus arrhythmia, and inhibits postprandial gastrointestinal motility. The actions of galanin are mediated through interaction with specific membrane receptors that are members of the 7-transmembrane family of G protein-coupled receptors. GALR2 interacts with the N-terminal residues of the galanin peptide. The primary signaling mechanism for GALR2 is through the phospholipase C/protein kinase C pathway (via Gq), in contrast to GALR1, which communicates its intracellular signal by inhibition of adenylyl cyclase through Gi. However, it has been demonstrated that GALR2 couples efficiently to both the Gq and Gi proteins to simultaneously activate 2 independent signal transduction pathways.

Cellular Localization: Cell membrane, Multi-pass membrane protein

Molecular Weight: 42 kDa

Gene ID: 8811

UniProt: [O43603](#)

Pathways: [cAMP Metabolic Process](#), [Inositol Metabolic Process](#), [Feeding Behaviour](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: 293T , H1299

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE

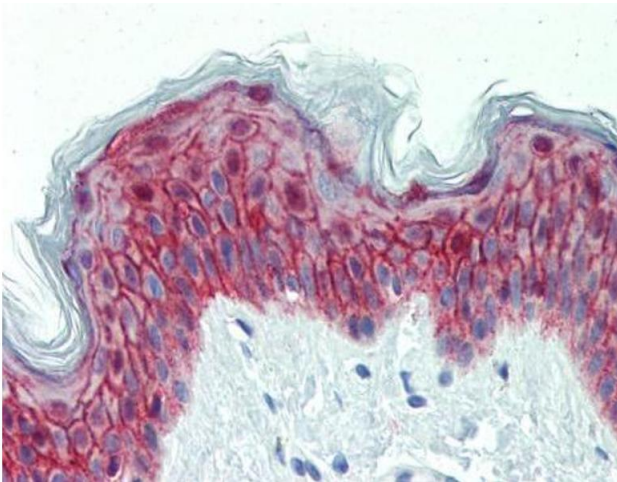
Handling

which should be handled by trained staff only.

Storage: 4 °C,-20 °C

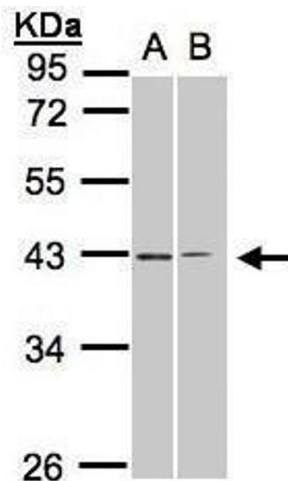
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #104252 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded human skin, using Galanin Receptor 2, antibody(10 µg/ml).



Western Blotting

Image 2. WB Image Sample(30 ug whole cell lysate) A:293T
B:H1299 10% SDS PAGE antibody diluted at 1:1000