

Rabbit GALR2 Polyclonal Antibody | anti-GALR2 antibody

GALR2 Polyclonal Antibody

CATALOG # AAA175997	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

GALR2; Polyclonal Antibody; GALR2 Polyclonal Antibody; GAL2-R; GAL2R; Galanin receptor 2; Galanin receptor type 2; GALNR2; GALR-2; MGC125983; MGC125984; anti-GALR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	0.66mg/mL (varies by lot)
Sequence Length	387
Applicable Applications for anti-GALR2 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human GALR2
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using GALR2 Polyclonal Antibody at dilution of 1:25(×200)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using GALR2 Polyclonal Antibody at dilution of 1:25(×200)

ADDITIONAL INFORMATION

Related Product Information for anti-GALR2 antibody	GALR2 (Galanin Receptor 2) is a Protein Coding gene. Among its related pathways are Peptide ligand-binding receptors and Signaling by GPCR. GO annotations related to this gene include G-protein coupled receptor activity and galanin receptor activity. An important paralog of this gene is GALR3. 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.
Product Categories/Family for anti-GALR2 antibody	Metabolism; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503905
NCBI GeneID	8811
NCBI Accession #	NP_003848.1
NCBI GenBank Nucleotide #	NP_003848.1
UniProt Accession #	O43603
NCBI Official Full Name	galanin receptor type 2
NCBI Official Synonym Full Names	galanin receptor 2
NCBI Official Symbol	GALR2
NCBI Official Synonym Symbols	GAL2-R; GALNR2; GALR-2
NCBI Protein Information	galanin receptor type 2
UniProt Protein Name	Galanin receptor type 2
UniProt Gene Name	GALR2
UniProt Synonym Gene Names	GALNR2; GAL2-R; GALR-2
UniProt Entry Name	GALR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.