

Rabbit GALR1 / Galanin Receptor 1 Polyclonal Antibody | anti-GALR1 antibody

Rabbit Polyclonal to Human GALR1 / Galanin Receptor 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51225	Rabbit	Gibbon, Gorilla, Human Predicted Reactivity: Monkey (at least 90% immunogen sequence identity)	Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

GALR1 / Galanin Receptor 1; Polyclonal Antibody; Rabbit Polyclonal to Human GALR1 / Galanin Receptor 1; Anti-GALR1 / Galanin Receptor 1 Antibody (N-Terminus) IHC-plus; 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; Human GALR1; Galanin Receptor 1; anti-GALR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Gorilla, Human Predicted Reactivity: Monkey (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GALR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except SSTR5 (50%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	349
Applicable Applications for anti-GALR1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 18 amino acid peptide from N-terminal extracellular domain of human GALR1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset (94%); Dog (89%); Panda, Horse (83%).
Immunogen Type	Synthetic peptide
Immunogen	GALR1 / Galanin Receptor 1 antibody was raised against synthetic 18 amino acid peptide from N-terminal extracellular domain of human GALR1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset (94%); Dog (89%); Panda, Horse (83%).
Antigen Modification	N-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-GALR1 / Galanin Receptor 1 antibody IHC of human Brain, Glioblastoma.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-GALR1 / Galanin Receptor 1 antibody IHC of human Skin, Melanoma.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-GALR1 antibody IHC of human brain, neurons. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-GALR1 antibody	GaLR1 is a Galanin Receptor that mediates the effects of the peptide galanin in a wide variety of tissues. Unlike GaLR2, the primary signaling mechanism of GaLR1 is by inhibiting adenylate cyclase through Gi. GaLR1 regulates the GnRH neuroendocrine axis with its expression in POMC neurons. Pathogens like E Coli can cause diarrhea by increasing expression of Galanin Receptor 1 in the epithelial cells lining the colon, resulting in increased secretion of colonocyte chloride and fluid.
Product Categories/Family for anti-GALR1 antibody	Family: GPCR ; Subfamily: Galanin

NCBI AND UNIPROT INFORMATION

NCBI GI #	167000885
NCBI GeneID	2587
NCBI Accession #	NP_001471.2
NCBI GenBank Nucleotide #	NM_001480.3
UniProt Accession #	P47211 ; Q4VBL7
Molecular Weight	38,953 Da
NCBI Official Full Name	galanin receptor type 1
NCBI Official Synonym Full Names	galanin receptor 1
NCBI Official Symbol	GALR1
NCBI Official Synonym Symbols	GALNR; GALNR1
NCBI Protein Information	galanin receptor type 1; GAL1-R; GALR-1
UniProt Protein Name	Galanin receptor type 1
UniProt Gene Name	GALR1
UniProt Synonym Gene Names	GALNR; GALNR1; GAL1-R; GALR-1
UniProt Entry Name	GALR1_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.

