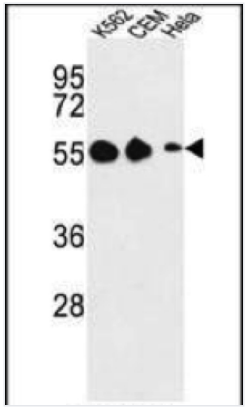
GALR1 Antibody – Rabbit Polyclonal

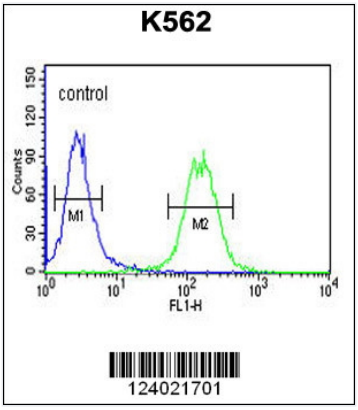
PRODUCT OVERVIEW

Product Name	GALR1, Polyclonal Antibody
Full Product Name	GALR1, ID (GALR1, GALNR, GALNR1, Galanin receptor type 1) (Azide free) (HRP)
Product Gene Name	anti-GALR1 antibody
Product Synonym Names	GALR1; GALNR; GALNR1; Galanin receptor type 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human GALR1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	38,953 Da
Chromosome Location	Chromosome: 18; NC_000018.9 (74962008..74982098). Location: 18q23
OMIM	600377
3D Structure	ModBase 3D Structure for P47211
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 174-200 in the central region of human GALR1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-GALR1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-GALR1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-GALR1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-GALR1 antibody	GALR1 elicits a range of biological effects by interaction with specific G-protein-coupled receptors. Galanin receptors are seven-transmembrane proteins shown to activate a variety of intracellular second-messenger pathways. GALR1 inhibits adenylyl cyclase via a G protein of the Gi/Go family. GALR1 is widely expressed in the brain and spinal cord, as well as in peripheral sites such as the small intestine and heart.
Product References and Citations for anti-GALR1 antibody	1. Borroto-Escuela, D.O. Biochem. Biophys. Res. Commun. 393 (4), 767-772 (2010). 2. Gratacos, M. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816. 3. Marroni, F. Circ Cardiovasc Genet 2 (4), 322-328 (2009).

Other Notes	Small volumes of anti-GALR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GALR1 purchase	MBS6301196 is an antibody targeting GALR1. Also known as GALR1, ID (GALR1, GALNR, GALNR1, Galanin receptor type 1) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GALR1 antibody
Western Blot analysis of K562, CEM, Hela cell line lysates (35ug/lane) usingMBS6004481. GALR1 (arrow) was detected usingMBS6004481.



Testing Data of anti-GALR1 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GALR1. It may not necessarily be applicable to this product.

NCBI GI #	167000885
NCBI GeneID	2587
NCBI Accession #	NP_001471.2
UniProt Primary Accession #	P47211
UniProt Secondary Accession #	Q4VBL7
UniProt Related Accession #	P47211
GenBank Nucleotide #	NM_001480.3
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
UniProt Protein Name	Galanin receptor type 1
Protein Family	Galanin receptor
UniProt Gene Name	GALR1
UniProt Synonym Gene Names	GALNR; GALNR1; GAL1-R; GALR-1
UniProt Entry Name	GALR1_HUMAN
NCBI Protein Information	galanin receptor type 1; GAL1-R; GALR-1
NCBI Summary for GALR1	The neuropeptide galanin elicits a range of biological effects by interaction with specific G-protein-coupled receptors. Galanin receptors are seven-transmembrane proteins shown to activate a variety of intracellular second-messenger pathways. GALR1 inhibits adenylyl cyclase via a G protein of the Gi/Go family. GALR1 is widely expressed in the brain and spinal cord, as well as in peripheral sites such as the small intestine and heart. [provided by RefSeq, Jul 2008]

UniProt Comments for GALR1	GALR1: Receptor for the hormone galanin. The activity of this receptor is mediated by G proteins that inhibit adenylate cyclase activity. Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Membrane protein, multi-pass; Receptor, GPCR; Membrane protein, integral Chromosomal Location of Human Ortholog: 18q23 Cellular Component: plasma membrane; integral to membrane Molecular Function: neuropeptide binding; protein binding; peptide hormone binding; galanin receptor activity Biological Process: positive regulation of cortisol secretion; elevation of cytosolic calcium ion concentration; neuropeptide signaling pathway; digestion; negative regulation of adenylate cyclase activity; positive regulation of transcription from RNA polymerase II promoter; G-protein signaling, adenylate cyclase activating pathway
Research Articles on GALR1	**1.** Moreover, we have identified a novel role for the GalR1/galanin receptor-ligand axis in chemoresistance, providing evidence to support its further evaluation as a potential therapeutic target and biomarker in colorectal cancer .
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/galr1/6301196