

Goat Anti-GALR1 (internal) Antibody
Peptide-affinity purified goat antibody
Catalog # AF1462b**Specification**

Goat Anti-GALR1 (internal) Antibody - Product Information

Application	WB
Primary Accession	P47211
Other Accession	NP_001471 , 2587 , 14427 (mouse) , 50577 (rat)
Reactivity	Rat
Predicted	Human, Mouse, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	38953

Goat Anti-GALR1 (internal) Antibody - Additional Information**Gene ID** 2587**Other Names**

Galanin receptor type 1, GAL1-R, GALR-1, GALR1, GALNR, GALNR1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-GALR1 (internal) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-GALR1 (internal) Antibody - Protein Information**Name** GALR1**Synonyms** GALNR, GALNR1**Function**

Receptor for the hormone galanin. The activity of this receptor is mediated by G proteins that inhibit adenylate cyclase activity.

Cellular Location

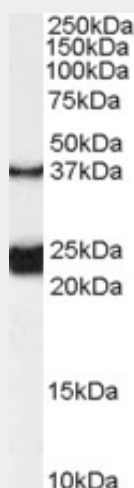
Cell membrane; Multi-pass membrane protein

Goat Anti-GALR1 (internal) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-GALR1 (internal) Antibody - Images



AF1462b (0.1 µg/ml) staining of Rat Spinal Cord lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-GALR1 (internal) Antibody - Background

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.

Goat Anti-GALR1 (internal) Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.

Comprehensive copy number variant (CNV) analysis of neuronal pathways genes in psychiatric disorders identifies rare variants within patients. Saus E, et al. J Psychiatr Res, 2010 Apr 14. PMID 20398908.

Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926.

Galanin receptor-1 modulates 5-hydroxytryptamine-1A signaling via heterodimerization.

Borrito-Escuela DO, et al. Biochem Biophys Res Commun, 2010 Mar 19. PMID 20171159.