

**Goat Anti-GALR1 (C Term) Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1462a****Specification**

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**Goat Anti-GALR1 (C Term) Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P47211</a>
Other Accession	<a href="#">NP_001471</a> , <a href="#">2587</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	38953

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

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

**Dilution**

WB~~1:1000

E~~N/A

**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 (C Term) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-GALR1 (C Term) 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 (C Term) 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 (C Term) Antibody - Images**



AF1462a (0.1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **Goat Anti-GALR1 (C Term) 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 (C Term) Antibody - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-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.

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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.

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