10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 Cytomety
- 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

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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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