

# **GALR1 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9346c

#### **Product Information**

**Application** FC, WB, E **Primary Accession** P47211 Reactivity Human Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB24021 **Calculated MW** 38953 **Antigen Region** 174-200

#### **Additional Information**

**Gene ID** 2587

Other Names Galanin receptor type 1, GAL1-R, GALR-1, GALR1, GALNR1

Target/Specificity This GALR1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 174-200 amino acids from the Central

region of human GALR1.

**Dilution** FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** GALR1 Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **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.

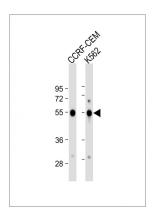
## **Background**

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.

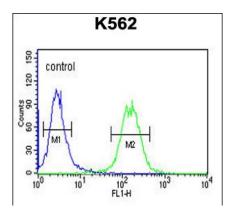
#### References

Borroto-Escuela, D.O. Biochem. Biophys. Res. Commun. 393 (4), 767-772 (2010) Gratacos, M. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 Marroni, F. Circ Cardiovasc Genet 2 (4), 322-328 (2009)

### **Images**



All lanes: Anti-GALR1 Antibody (Center) at 1:1000 dilution Lane 1: CCRF-CEM whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GALR1 Antibody (Center) (Cat. #AP9346c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.