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

# GABRR2 Antibody (N-term)
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP18624a**

## Specification

### GABRR2 Antibody (N-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | P28476 |
| Other Accession | NP_002034.2 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **54151** |
| Antigen Region | **37-65** |

### GABRR2 Antibody (N-term) - Additional Information

**Gene ID** 2570

**Other Names**
Gamma-aminobutyric acid receptor subunit rho-2, GABA(A) receptor subunit rho-2, GABA(C) receptor, GABRR2

**Target/Specificity**
This GABRR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-65 amino acids from the N-terminal region of human GABRR2.

**Dilution**
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**
GABRR2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### GABRR2 Antibody (N-term) - Protein Information

**Name** GABRR2 (HGNC:4091)

**Function** Rho subunit of the pentameric ligand-gated chloride channels responsible for mediating the effects of gamma-aminobutyric acid (GABA), the major inhibitory neurotransmitter in the brain (By similarity). Rho-containing GABA-gated chloride channels are a subclass of GABA(A) receptors (GABAARs) entirely composed of rho subunits, where GABA molecules bind at the rho intersubunit interfaces (By similarity). When activated by GABA, rho-GABAARs selectively allow the flow of chloride anions across the cell membrane down their electrochemical gradient (By similarity). Rho-2 GABAARs may contribute to the regulation of glial development in the cerebellum by controlling extrasynaptic transmission. Rho-2 GABAARs are also involved in neuronal tonic (extrasynaptic) and phasic (synaptic) transmission in the Purkinje neurons of the cerebellum (By similarity). Rho-2 GABAARs expressed in retina may play a role in retinal neurotransmission (By similarity).

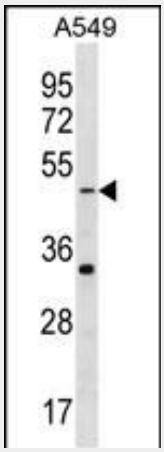
**Cellular Location**
Postsynaptic cell membrane {ECO:0000250|UniProtKB:P56476}; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:P56476}; Multi-pass membrane protein

## GABRR2 Antibody (N-term) - 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

## GABRR2 Antibody (N-term) - Images




GABRR2 Antibody (N-term) (Cat. #AP18624a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GABRR2 antibody detected the GABRR2 protein (arrow).

## GABRR2 Antibody (N-term) - Background

GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA receptors, which are ligand-gated chloride channels. The protein encoded by this gene is a member of the rho subunit family and is a component of the GABA

receptor complex.

**GABRR2 Antibody (N-term) - References**

Green, E.K., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (7), 1347-1349 (2010) :
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Pattaro, C., et al. BMC Med. Genet. 11, 41 (2010) :
Osolodkin, D.I., et al. J. Mol. Graph. Model. 27(7):813-821(2009)