

GBRR3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12407a

Product Information

Application WB, E
Primary Accession A8MPY1

 Other Accession
 NP_001099050.1

Reactivity Human
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB31431
Calculated MW 54272
Antigen Region 35-63

Additional Information

Gene ID 200959

Other Names Gamma-aminobutyric acid receptor subunit rho-3, GABA(A) receptor subunit

rho-3, GABA(C) receptor, GABRR3

Target/SpecificityThis GBRR3 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 35-63 amino acids from the N-terminal

region of human GBRR3.

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 GBRR3 Antibody (N-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name GABRR3 (HGNC:17969)

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).

Cellular Location

Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

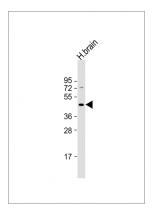
Background

GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel (By similarity).

References

Craddock, N., et al. Mol. Psychiatry 15(2):146-153(2010) Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009): Muzny, D.M., et al. Nature 440(7088):1194-1198(2006) Alakuijala, A., et al. Brain Res. Dev. Brain Res. 154(1):15-23(2005) Croci, C., et al. J. Biol. Chem. 278(8):6128-6135(2003)

Images



Anti-GBRR3 Antibody (N-term) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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