

Catalog # AP54721

GABRR1 Polyclonal Antibody Purified Rabbit Polyclonal Antibody (Pab)

Specification

GABRR1 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB, IHC-P, IHC-F, IF, ICC, E <u>P24046</u> Pig, Dog, Bovine Rabbit Polyclonal 55883

GABRR1 Polyclonal Antibody - Additional Information

Gene ID 2569

Other Names

Gamma-aminobutyric acid receptor subunit rho-1, GABA(A) receptor subunit rho-1, GABA(C) receptor, GABRR1

Dilution WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-P~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A</span

Format 0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

GABRR1 Polyclonal Antibody - Protein Information

Name GABRR1 (HGNC:4090)

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 (PubMed:37659407). 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 (PubMed:37659407). When activated by GABA, rho-GABAARs selectively allow the flow of chloride anions across the cell membrane down their electrochemical gradient (PubMed:<a



href="http://www.uniprot.org/citations/37659407" target="_blank">37659407). Rho-1 subunits are primarily expressed in retina where rho-1-containing GABAARs may play a role in retinal neurotransmission (PubMed:1849271). Rho-1 GABAARs are also involved in neuronal tonic (extrasynaptic) and phasic (synaptic) transmission in the Purkinje neurons of the cerebellum (By similarity). Rho-1 GABAARs may also contribute to the regulation of glial development in the cerebellum by controlling extrasynaptic transmission (By similarity).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:P56475}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location

Highly expressed in the retina (PubMed:1849271). Expressed in a lesser extent in brain, lung and thymus (PubMed:1849271).

GABRR1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- <u>Cell Culture</u>

GABRR1 Polyclonal Antibody - Images





Predicted band size: 53 kD Observed band size: 53 kD