

GABRQ Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21196b

Specification

GABRQ Antibody (C-term) - Product Information

| | |
|-------------------|------------------------|
| Application | WB,E |
| Primary Accession | O9UN88 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | polyclonal |
| Isotype | Rabbit IgG |

GABRQ Antibody (C-term) - Additional Information

Gene ID 55879

Other Names

Gamma-aminobutyric acid receptor subunit theta, GABA(A) receptor subunit theta, GABRQ

Target/Specificity

This GABRQ antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 451-485 amino acids of human GABRQ.

Dilution

WB~~1:1000

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

GABRQ Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GABRQ Antibody (C-term) - Protein Information

Name GABRQ ([HGNC:14454](#))

Function Theta subunit of the heteropentameric ligand-gated chloride channel gated by gamma-aminobutyric acid (GABA), a major inhibitory neurotransmitter in the brain (PubMed:[10449790](#), PubMed:[16412217](#)). GABA- gated chloride channels, also named GABA(A) receptors (GABAAR), consist of five subunits arranged around a central pore and contain GABA active binding site(s) located at the alpha and beta subunit interfaces (By similarity). When

activated by GABA, GABAARs selectively allow the flow of chloride anions across the cell membrane down their electrochemical gradient (PubMed:[10449790](#), PubMed:[16412217](#)).

Cellular Location

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

Tissue Location

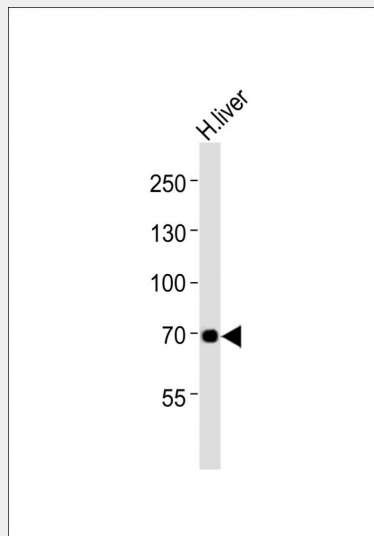
Expressed in brain.

GABRQ Antibody (C-term) - Protocols

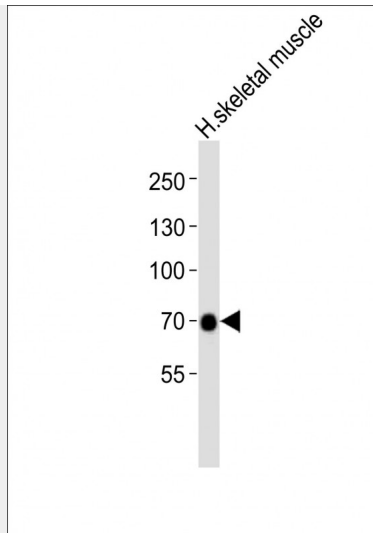
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GABRQ Antibody (C-term) - Images



Anti-GABRQ Antibody (C-term) at 1:2000 dilution + human liver lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 72 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



Anti-GABRQ Antibody (C-term) at 1:1000 dilution + human skeletal muscle lysates
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated
at 1/10000 dilution Predicted band size : 72 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

GABRQ Antibody (C-term) - 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.

GABRQ Antibody (C-term) - References

- Sinkkonen S.T., et al. J. Neurosci. 20:3588-3595(2000).
- Ross M.T., et al. Nature 434:325-337(2005).
- Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
- Bonnert T.P., et al. Proc. Natl. Acad. Sci. U.S.A. 96:9891-9896(1999).