

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

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**GABRQ Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9UN88</a>
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

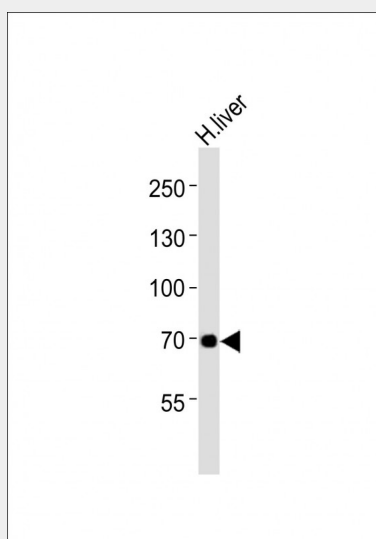
**Tissue Location**

Expressed in brain.

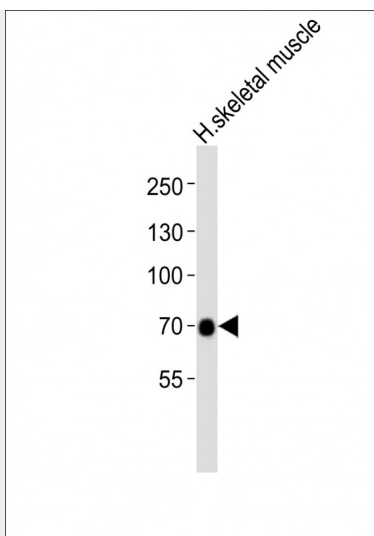
**GABRQ Antibody (C-term) - Protocols**

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 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% NFDM/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% NFDM/TBST.

#### **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).