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GABRQ Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21196b

Product Information

Application	WB, E
Primary Accession	Q9UN88
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52092
Calculated MW	71988

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

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.

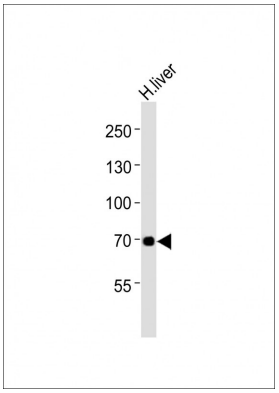
Background

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.

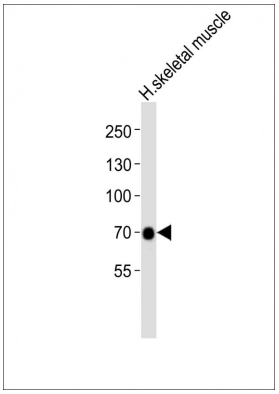
References

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).

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.