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GABRA3 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20689a

Specification

GABRA3 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P34903
Other Accession	P20236
Reactivity	**Human**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55165**

GABRA3 Antibody (N-term) - Additional Information

Gene ID 2556

Other Names
Gamma-aminobutyric acid receptor subunit alpha-3, GABA(A) receptor subunit alpha-3, GABRA3

Target/Specificity
This GABRA3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 28-61 amino acids from the N-terminal region of human GABRA3.

Dilution
WB~~1:500-1:1000
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
GABRA3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GABRA3 Antibody (N-term) - Protein Information

Name GABRA3 (HGNC:4077)

Function Alpha subunit of the heteropentameric ligand-gated chloride channel gated by

gamma-aminobutyric acid (GABA), a major inhibitory neurotransmitter in the brain (PubMed:16412217, PubMed:29053855). 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 interface(s) (By similarity). When activated by GABA, GABAARs selectively allow the flow of chloride anions across the cell membrane down their electrochemical gradient (PubMed:16412217, PubMed:29053855). Chloride influx into the postsynaptic neuron following GABAAR opening decreases the neuron ability to generate a new action potential, thereby reducing nerve transmission (PubMed:16412217, PubMed:29053855).

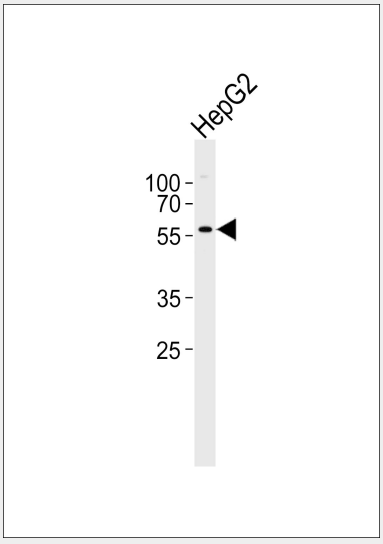
Cellular Location
Postsynaptic cell membrane {ECO:0000250|UniProtKB:P14867}; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:P14867}; Multi-pass membrane protein

GABRA3 Antibody (N-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 Cytomety
- Cell Culture

GABRA3 Antibody (N-term) - Images



Western blot analysis of lysate from HepG2 cell line, using GABRA3 Antibody (N-term)(Cat. #AP20689a). AP20689a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

GABRA3 Antibody (N-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.

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GABRA3 Antibody (N-term) - References

Hadingham K.L.,et al.Mol. Pharmacol. 43:970-975(1993).
Amir R.,et al.Am. J. Med. Genet. 90:69-71(2000).