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GABRG3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5319

Specification

GABRG3 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q99928
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=54,29;M=54 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

GABRG3 Antibody (N-term) - Additional Information

Gene ID 2567

Antigen Region
1-29

Other Names
GABRG3; Gamma-aminobutyric acid receptor subunit gamma-3; GABA(A) receptor subunit gamma-3

Dilution
WB~~1:1000

Target/Specificity
This GABRG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-29 amino acids from the N-terminal region of human GABRG3.

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
GABRG3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GABRG3 Antibody (N-term) - Protein Information

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Name GABRG3

Function
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.

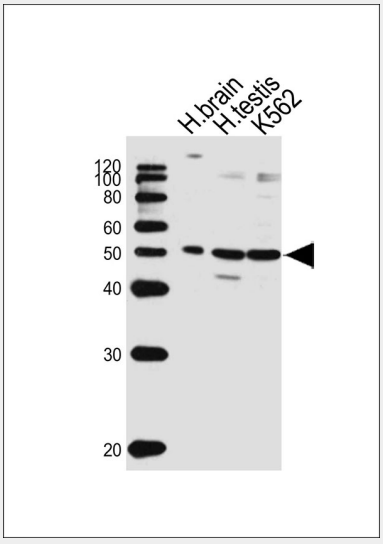
Cellular Location
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

GABRG3 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

GABRG3 Antibody (N-term) - Images



Western blot analysis of lysates from human brain,human testis tissue lysate,K562 cell line (from left to right), using GABRG3 Antibody (N-term)(Cat. #AW5319). AW5319 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

GABRG3 Antibody (N-term) - Background

GABRG3 is a family of proteins involved in the GABAergic neurotransmission of the mammalian central nervous system. GABRG3 is a member of the GABA-A receptor gene family of heteromeric pentameric ligand-gated ion channels through which GABA, the major inhibitory neurotransmitter in the mammalian brain, acts. GABA-A receptors are the site of action of a number of important pharmacologic agents including barbiturates, benzodiazepines, and ethanol (summary by Whiting

et al., 1999 [PubMed 10414349]). For additional general information about the GABA-A receptor gene family, see GABRA1 (MIM 137160).

GABRG3 Antibody (N-term) - References

Guilmatre, A., et al. Arch. Gen. Psychiatry 66(9):947-956(2009)
Chakrabarti, B., et al. Autism Res 2(3):157-177(2009)
Tabakoff, B., et al. BMC Biol. 7, 70 (2009)