

GABRG1 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5006

Specification

GABRG1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8N1C3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	H=54;M=53 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

GABRG1 Antibody (C-term) - Additional Information

Gene ID 2565

Antigen Region
370-404

Other Names

Gamma-aminobutyric acid receptor subunit gamma-1, GABA(A) receptor subunit gamma-1, GABRG1

Dilution

WB~~1:1000

Target/Specificity

This GABRG1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 370-404 amino acids from the C-terminal region of human GABRG1.

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

GABRG1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GABRG1 Antibody (C-term) - Protein Information

Name GABRG1 ([HGNC:4086](#))

Function

Gamma subunit of the heteropentameric ligand-gated chloride channel gated by gamma-aminobutyric acid (GABA), a major inhibitory neurotransmitter in the brain (PubMed:10449790). 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:10449790). Chloride influx into the postsynaptic neuron following GABAAR opening decreases the neuron ability to generate a new action potential, thereby reducing nerve transmission (By similarity).

Cellular Location

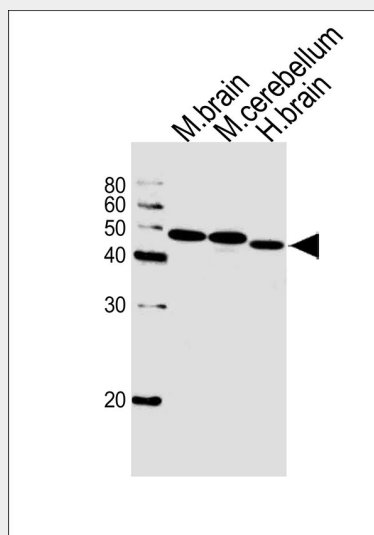
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

GABRG1 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](#)

GABRG1 Antibody (C-term) - Images



Western blot analysis of lysates from mouse brain, mouse cerebellum and human brain tissue lysate (from left to right), using GABRG1 Antibody (C-term)(Cat. #AW5006). AW5006 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.

GABRG1 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.

GABRG1 Antibody (C-term) - References

Ota T., et al. Nat. Genet. 36:40-45(2004).

Bechtel S., et al. BMC Genomics 8:399-399(2007).

Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.