10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GABRG1 Antibody
Rabbit polyclonal antibody to GABRG1
Catalog # AP60764

Specification

Anti-GABRG1 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q8N1C3
Other Accession	Q9R0Y8
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**53595**

Anti-GABRG1 Antibody - Additional Information

Gene ID 2565

Other Names
Gamma-aminobutyric acid receptor subunit gamma-1; GABA(A) receptor subunit gamma-1

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GABRG1. The exact sequence is proprietary.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)
IHC~~1:100~500

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-GABRG1 Antibody - 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:<a

href="http://www.uniprot.org/citations/10449790" target="_blank">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).

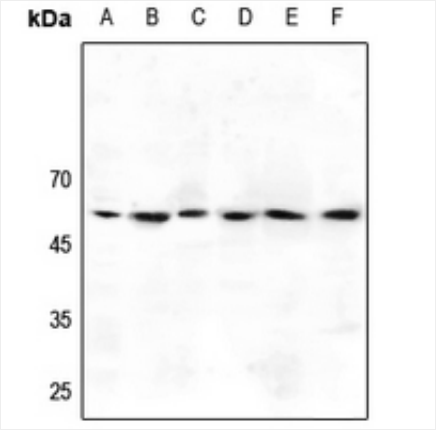
Cellular Location
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Anti-GABRG1 Antibody - Protocols

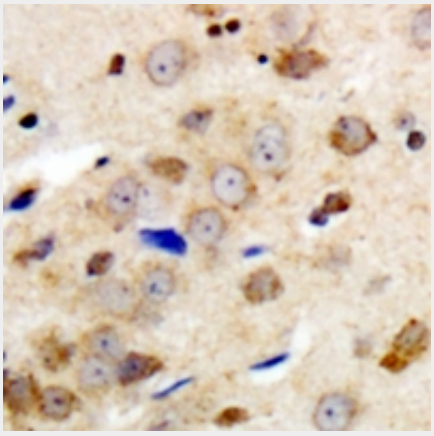
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GABRG1 Antibody - Images



Western blot analysis of GABRG1 expression in HEK293T (A), LOVO (B), Hela (C), mouse brain (D), mouse kidney (E), rat kidney (F) whole cell lysates.



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Immunohistochemical analysis of GABRG1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-GABRG1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GABRG1. The exact sequence is proprietary.