

GABRA4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9298c

Specification

GABRA4 Antibody (Center) - Product Information

Application	WB, FC,E
Primary Accession	P48169
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	350-377

GABRA4 Antibody (Center) - Additional Information

Gene ID 2557

Other Names

Gamma-aminobutyric acid receptor subunit alpha-4, GABA(A) receptor subunit alpha-4, GABRA4

Target/Specificity

This GABRA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 350-377 amino acids from the Central region of human GABRA4.

Dilution

WB~~1:1000

FC~~1:10~50

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

GABRA4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GABRA4 Antibody (Center) - Protein Information

Name GABRA4

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.

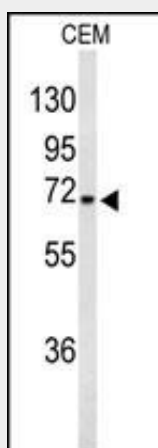
Cellular Location

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

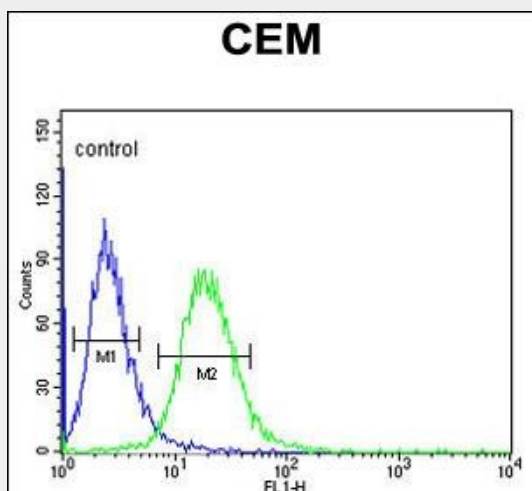
GABRA4 Antibody (Center) - Protocols

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](#)

GABRA4 Antibody (Center) - Images

Western blot analysis of GABRA4 Antibody (Center) (Cat. #AP9298c) in CEM cell line lysates (35ug/lane). GABRA4 (arrow) was detected using the purified Pab.



GABRA4 Antibody (Center) (Cat. #AP9298c) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit

secondary antibodies were used for the analysis.

GABRA4 Antibody (Center) - Background

GABRA4 is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor.

GABRA4 Antibody (Center) - References

Guilmatre,A., et.al., Arch. Gen. Psychiatry 66 (9), 947-956 (2009)
Maldonado-Aviles,J.G., et.al., Am J Psychiatry 166 (4), 450-459 (2009)
Agrawal,A., et.al., Addiction 104 (3), 471-477 (2009)