

**GABRA4 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12665c****Specification**

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**GABRA4 Antibody (Center) Blocking peptide - Product Information**Primary Accession [P48169](#)**GABRA4 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 2557**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GABRA4 Antibody (Center) Blocking peptide - 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) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**GABRA4 Antibody (Center) Blocking peptide - Images****GABRA4 Antibody (Center) Blocking peptide - Background**

GABA 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. At least 16 distinct subunits of GABA-A receptors have been identified.

#### **GABRA4 Antibody (Center) Blocking peptide - References**

Bailey, S.D., et al. Diabetes Care (2010) In press :Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010)Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Tabakoff, B., et al. BMC Biol. 7, 70 (2009) :