

**GABRA4 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9298c****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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9298c](/products/AP9298c) was selected from the Center region of human GABRA4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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**

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) Blocking Peptide - 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)