

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

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

Cell junction, synapse, 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](#)