

GABRD Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9299c**Specification**

GABRD Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O14764](#)**GABRD Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2563**Other Names**

Gamma-aminobutyric acid receptor subunit delta, GABA(A) receptor subunit delta, GABRD

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9299c](/products/AP9299c) was selected from the Center region of human GABRD. 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.

GABRD Antibody (Center) Blocking Peptide - Protein Information**Name** GABRD**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

GABRD Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GABRD Antibody (Center) Blocking Peptide - Images

GABRD Antibody (Center) Blocking Peptide - Background

GABRD 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. The GABA-A receptor is generally pentameric and there are five types of subunits: alpha, beta, gamma, delta, and rho. This protein encodes the delta subunit.

GABRD Antibody (Center) Blocking Peptide - References

Gratacos,M., et.al, Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009)
Maldonado-Aviles,J.G., et.al, Am J Psychiatry 166 (4), 450-459 (2009)
Tabakoff,B., et.al, BMC Biol. 7, 70 (2009)