

CHRNA5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14006c**Specification**

CHRNA5 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P30532](#)**CHRNA5 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 1138**Other Names**

Neuronal acetylcholine receptor subunit alpha-5, CHRNA5, NACHRA5

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14006c was selected from the Center region of CHRNA5. 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.

CHRNA5 Antibody (Center) Blocking peptide - Protein Information**Name** CHRNA5**Synonyms** NACHRA5**Function**

After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.

Cellular Location

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

CHRNA5 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CHRNA5 Antibody (Center) Blocking peptide - Images

CHRNA5 Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a nicotinicacetylcholine receptor subunit and a member of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCr2).

CHRNA5 Antibody (Center) Blocking peptide - References

Wessel, J., et al. Neuropsychopharmacology 35(12):2392-2402(2010) Erlich, P.M., et al. Hum. Genet. 128(5):491-499(2010) Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Falvella, F.S., et al. J. Natl. Cancer Inst. 102(17):1366-1370(2010) Li, M.D., et al. PLoS ONE 5 (8), E12183 (2010) :