

CHRNA1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13550b**Specification**

CHRNA1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P02708](#)**CHRNA1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 1134**Other Names**

Acetylcholine receptor subunit alpha, CHRNA1, ACHRA, CHNRA

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13550b was selected from the C-term region of CHRNA1. 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.

CHRNA1 Antibody (C-term) Blocking peptide - Protein Information**Name** CHRNA1 ([HGNC:1955](#))**Synonyms** ACHRA, CHNRA**Function**

[Isoform 1]: Upon acetylcholine binding, 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

Tissue Location

Isoform 1 is only expressed in skeletal muscle. Isoform 2 is constitutively expressed in skeletal muscle, brain, heart, kidney, liver, lung and thymus

CHRNA1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CHRNA1 Antibody (C-term) Blocking peptide - Images

CHRNA1 Antibody (C-term) Blocking peptide - Background

The muscle acetylcholine receptor consists of 5 subunits of 4 different types: 2 alpha isoforms and 1 each of beta, gamma, and delta subunits.² This gene encodes an alpha subunit that plays a role in acetylcholine binding/channel gating. Alternatively spliced transcript variants encoding different isoforms have been identified.

CHRNA1 Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Ehringer, M.A., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (2), 600-609 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)