

CHRNA3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP5022a**Specification**

CHRNA3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P32297](#)**CHRNA3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1136**Other Names**

Neuronal acetylcholine receptor subunit alpha-3, CHRNA3, NACHRA3

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.

CHRNA3 Antibody (N-term) Blocking Peptide - Protein Information**Name** CHRNA3**Synonyms** NACHRA3**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. Endoplasmic reticulum {ECO:0000250|UniProtKB:P04757} Golgi apparatus {ECO:0000250|UniProtKB:P04757}. Note=Interaction with UBXN2A/UBXD4 promotes translocation to the plasma membrane {ECO:0000250|UniProtKB:P04757}

CHRNA3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CHRNA3 Antibody (N-term) Blocking Peptide - Images

CHRNA3 Antibody (N-term) Blocking Peptide - Background

CHRNA3 locus encodes a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. This locus encodes an alpha-type subunit, as it contains characteristic adjacent cysteine residues. The encoded protein is a ligand-gated ion channel that likely plays a role in neurotransmission. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described.

CHRNA3 Antibody (N-term) Blocking Peptide - References

Cho, M.H., et al. Nat. Genet. 42(3):200-202(2010) Girard, N., et al. Clin. Cancer Res. 16(2):755-763(2010) Grando, S.A., et al. J. Invest. Dermatol. 105(6):774-781(1995)