

Rabbit CHRNA3 Polyclonal Antibody | anti-CHRNA3 antibody

CHRNA3 Antibody (N-term)

CATALOG # AAA284257	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Bovine)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

CHRNA3; Polyclonal Antibody; CHRNA3 Antibody (N-term); Neuronal acetylcholine receptor subunit alpha-3; NACHRA3; anti-CHRNA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CHRNA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 25-52 amino acids from the N-terminal region of human CHRNA3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	25-52
Sequence Length	489
Applicable Applications for anti-CHRNA3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

CHRNA3 Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CHRNA3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of CHRNA3 Antibody (N-term) in CEM cell line lysates (35ug/lane).CHRNA3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRNA3 antibody	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.
Product Categories/Family for anti-CHRNA3 antibody	Neuroscience
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923122
NCBI GeneID	1136
NCBI Accession #	NP_000734.2; NP_001160166.1
NCBI GenBank Nucleotide #	NM_000743.4
UniProt Accession #	P32297; Q15823; Q4KMN8; Q86U77; Q96RH3; Q99553; Q9BQ93; Q9BRR4
Molecular Weight	57480
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-3 isoform 1
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic, alpha 3 (neuronal)
NCBI Official Symbol	CHRNA3
NCBI Official Synonym Symbols	LNCR2; PAOD2; NACHRA3
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-3
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-3
UniProt Gene Name	CHRNA3
UniProt Synonym Gene Names	NACHRA3
UniProt Entry Name	ACHA3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chrna3-antibody-immunohistochemistry-western-blot-elisa/284257>