Rabbit CHRNA10 Polyclonal Antibody | anti-CHRNA10 antibody

CHRNA10 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288473	**Rabbit**	**Human (Predicted Reactivity: Rat)**	**Western Blot, Immunohistochemistry, ELISA**

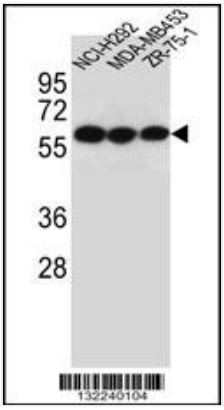
PRODUCT SYNONYMS

CHRNA10; Polyclonal Antibody; CHRNA10 Antibody (Center); Neuronal acetylcholine receptor subunit alpha-10; Nicotinic acetylcholine receptor subunit alpha-10; NACHR alpha-10; NACHRA10; anti-CHRNA10 antibody

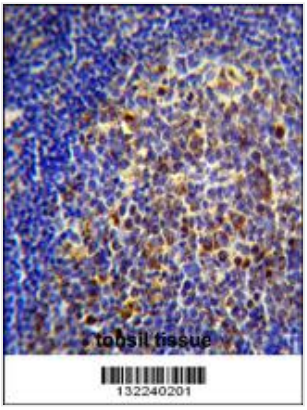
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CHRNA10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 179-206 amino acids from the Central region of human CHRNA10.
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	179-206
Sequence Length	450
Applicable Applications for anti-CHRNA10 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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



WB (Western Blot)
CHRNA10 Antibody (Center) western blot analysis in NCI-H292,MDA-MB453,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the CHRNA10 antibody detected the CHRNA10 protein (arrow).



IHC (Immunohistochemistry)
CHRNA10 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CHRNA10 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRNA10 antibody	CHRNA10 is an ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding may induce an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. The channel is permeable to a range of divalent cations including calcium, the influx of which may activate a potassium current which hyperpolarizes the cell membrane. In the ear, this may lead to a reduction in basilar membrane motion, altering the activity of auditory nerve fibers and reducing the range of dynamic hearing. This may protect against acoustic trauma.
Product Categories/Family for anti-CHRNA10 antibody	Neuroscience; Signal Transduction
References	Saccone, N.L., et al. Genes Brain Behav. 9(7):741-750(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Rigbi, A., et al. Pharmacogenomics J. (2010) In press : Need, A.C., et al. Eur. J. Hum. Genet. 17(7):946-957(2009) Saccone, N.L., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (4), 453-466 (2009) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	11138123
NCBI GeneID	57053
NCBI Accession #	NP_065135.2
NCBI GenBank Nucleotide #	NM_020402.3
UniProt Accession #	Q9GZZ6
Molecular Weight	49705
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-10 isoform a
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic, alpha 10 (neuronal)
NCBI Official Symbol	CHRNA10
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-10
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-10
UniProt Gene Name	**CHRNA10**

UniProt Synonym Gene Names	NACHRA10; NACHR alpha-10
UniProt Entry Name	ACH10_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/chrna10-antibody-western-blot-immunohistochemistry-elisa/288473