Datasheet for ABIN951514

anti-CHRNA10 antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	CHRNA10
Binding Specificity:	AA 186-214, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 186-214 amino acids from the Central region of human CHRNA10
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CHRNA10.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	CHRNA10

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Target Details

Alternative Name:	CHRNA10 (CHRNA10 Products)
Background:	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.Synonyms: NACHR alpha-10, NACHRA10, Neuronal acetylcholine receptor subunit alpha-10, Nicotinic acetylcholine receptor subunit alpha-10
Molecular Weight:	49705 Da
Gene ID:	57053
NCBI Accession:	NP_065135
Pathways:	Sensory Perception of Sound, Synaptic Membrane

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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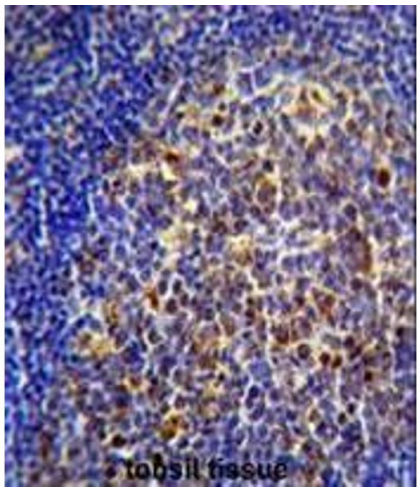
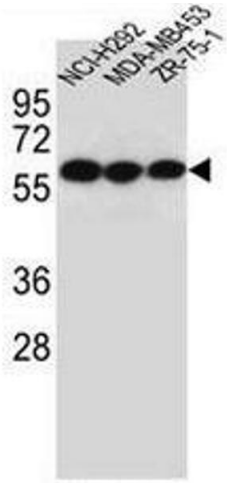


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. CHRNA10 Antibody (Center) western blot analysis in NCI-H292,MDA-MB453,ZR-75-1 cell line lysates (35µg/lane).This demonstrates the CHRNA10 antibody detected the CHRNA10 protein (arrow).

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