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Datasheet for ABIN656120

anti-CHRNA10 antibody (AA 179-206)

2 Images

Overview

Quantity:	400 µL
Target:	CHRNA10
Binding Specificity:	AA 179-206
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB32240
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CHRNA10
Alternative Name:	CHRNA10 (CHRNA10 Products)

Target Details

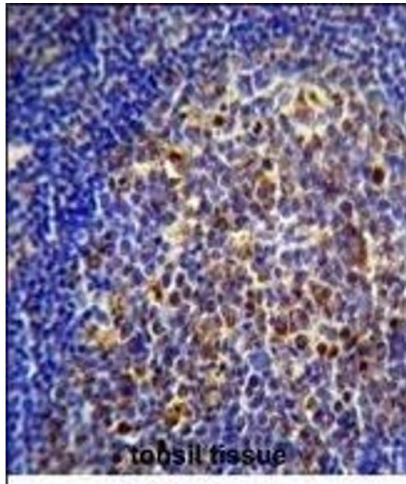
Background:	CHRNA10 is an ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding may induce an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. The channel is permeable to 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.
Molecular Weight:	49705
Gene ID:	57053
NCBI Accession:	NP_065135
UniProt:	Q9GZZ6
Pathways:	Sensory Perception of Sound , Synaptic Membrane

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

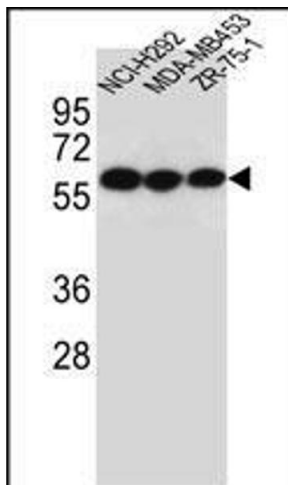
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. CHRNA10 Antibody (Center) (ABIN656120 and ABIN2845459) 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) (ABIN656120 and ABIN2845459) western blot analysis in NCI-,MDA-M,ZR-75-1 cell line lysates (35 µg/lane). This demonstrates the CHRNA10 antibody detected the CHRNA10 protein (arrow).