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## Datasheet for ABIN7112723 **anti-CHRNA9 antibody**

### Overview

Quantity:	100 µg
Target:	CHRNA9
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	cholinergic receptor, nicotinic, alpha 9
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	CHRNA9
Alternative Name:	CHRNA9 ( <a href="#">CHRNA9 Products</a> )
Background:	Synonyms:NACHRA9 Background:Ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding induces a conformation change that leads to the opening of an ion-conducting channel across the plasma membrane(PubMed:11752216, PubMed:25282151). The channel is permeable to a range of divalent cations including calcium, the influx of which

## Target Details

may activate a potassium current which hyperpolarizes the cell membrane(PubMed:11752216, PubMed:25282151). 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. May also regulate keratinocyte adhesion(PubMed:11021840).

Molecular Weight: 50-55 kDa

Gene ID: 55584

UniProt: [Q9UGM1](#)

Pathways: [Sensory Perception of Sound](#)

## Application Details

Application Notes: WB: 1:500-1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months