



[Go to Product page](#)

Datasheet for ABIN7180140  
**anti-CHRNA1 antibody (C-Term)**

1 Image

### Overview

Quantity:	100 µL
Target:	CHRNA1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

### Product Details

Immunogen:	Synthesized peptide derived from C-terminal of Human CHRNA10.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

### Target Details

Target:	CHRNA1
Alternative Name:	CHRNA1 ( <a href="#">CHRNA1 Products</a> )
Background:	Background: Ionotropic receptor with a probable role in the modulation of auditory stimuli.

## Target Details

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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.

Sgard F., Mol. Pharmacol. 61:150-159(2002).

Lustig L.R., Genomics 73:272-283(2001).

Vandenberk I., Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.

Aliases: Acetylcholine receptor, neuronal nicotinic, alpha-10 subunit antibody, ACH10\_HUMAN antibody, Alpha 10 nAChR antibody, Cholinergic receptor nicotinic alpha 10 antibody, Cholinergic receptor, neuronal nicotinic, alpha polypeptide 10 antibody, Cholinergic receptor, nicotinic, alpha polypeptide 10 antibody, CHRNA 10 antibody, CHRNA10 antibody, NACHR alpha 10 antibody, NACHR alpha-10 antibody, NACHRA10 antibody, Neuronal acetylcholine receptor protein subunit alpha 10 antibody, Neuronal acetylcholine receptor subunit alpha-10 antibody, Nicotinic acetylcholine receptor subunit alpha 10 antibody, Nicotinic acetylcholine receptor subunit alpha-10 antibody, OTTHUMP00000013620 antibody

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UniProt: [Q9GZZ6](#)

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Pathways: [Skeletal Muscle Fiber Development](#)

## Application Details

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Application Notes: WB:1:500-1:3000,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

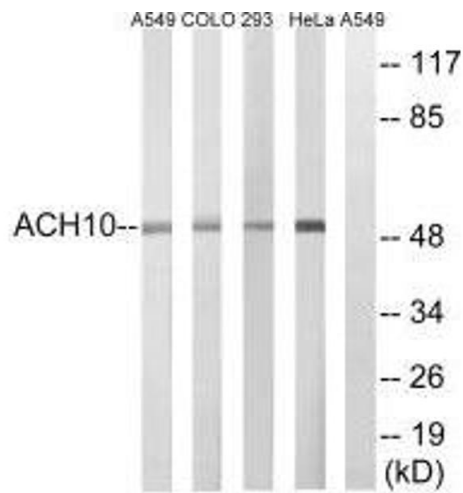
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## Handling

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts from A549 cells, COLO cells, HeLa cells and 293 cells, using CHRNA10 antibody.