

## Datasheet for ABIN633758 **anti-CHRNA4 antibody (N-Term)**



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	CHRNA4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA4 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	CHRNA4 antibody was raised using the N terminal of CHRNA4 corresponding to a region with amino acids AEERLLKKLFGSYNKWSRPVANISDVVLVRFGLSIAQLIDVDEKNQMMTT
Specificity:	CHRNA4 antibody was raised against the N terminal of CHRNA4
Purification:	Affinity purified

#### Target Details

Target:	CHRNA4
Alternative Name:	CHRNA4 ( <a href="#">CHRNA4 Products</a> )
Background:	CHRNA4 is a nicotinic acetylcholine receptor, which belongs to a superfamily of ligand-gated ion channels that play a role in fast signal transmission at synapses. These pentameric receptors can bind acetylcholine, which causes an extensive change in conformation that leads

## Target Details

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to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type 1. Polymorphisms in this gene that provide protection against nicotine addiction have been described.

Molecular Weight: 67 kDa (MW of target protein)

Pathways: [Synaptic Membrane](#)

## Application Details

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Application Notes: WB: 1 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: CHRNA4 Blocking Peptide, catalog no. 33R-1126, is also available for use as a blocking control in assays to test for specificity of this CHRNA4 antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of CHRNA4 antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Western Blotting

**Image 1.** CHRNA4 antibody used at 1 ug/ml to detect target protein.