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

Image



Overview

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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 AEERLLKKLFSGYNKWSRPVANISDVVLVRFGLSIAQLIDVDEKNQMMTT
Specificity:	CHRNA4 antibody was raised against the N terminal of CHRNA4

Purification: Affinity purified

Target Details

Target:	CHRNA4
Alternative Name:	CHRNA4 (CHRNA4 Products)
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

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Target Details

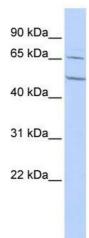
	to the opening of an ion-conducting channel across the plasma membrane. This protein is an
	integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4
	to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type
	1. Polymorphisms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

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

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.

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