

Datasheet for ABIN655883

anti-CHRNA2 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	400 µL
Target:	CHRNA2
Binding Specificity:	AA 42-69, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CHRNA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-69 amino acids from the N-terminal region of human CHRNA2.
Clone:	RB31686
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CHRNA2
Alternative Name:	CHRNA2 (CHRNA2 Products)
Background:	Nicotinic acetylcholine receptors (nAChRs) are ligand-gated ion channels formed by a

Target Details

pentameric arrangement of alpha and beta subunits to create distinct muscle and neuronal receptors. Neuronal receptors are found throughout the peripheral and central nervous system where they are involved in fast synaptic transmission. This gene encodes an alpha subunit that is widely expressed in the brain. The proposed structure for nAChR subunits is a conserved N-terminal extracellular domain followed by three conserved transmembrane domains, a variable cytoplasmic loop, a fourth conserved transmembrane domain, and a short C-terminal extracellular region. Mutations in this gene cause autosomal dominant nocturnal frontal lobe epilepsy type 4. Single nucleotide polymorphisms (SNPs) in this gene have been associated with nicotine dependence.

Molecular Weight: 59765

Gene ID: 1135

NCBI Accession: [NP_000733](#)

UniProt: [Q15822](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

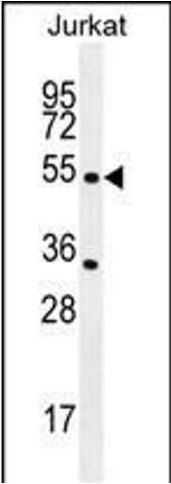
Preservative: Sodium azide

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



Western Blotting

Image 1. CHRNA2 Antibody (N-term) (ABIN655883 and ABIN2845284) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the CHRNA2 antibody detected the CHRNA2 protein (arrow).