

Datasheet for ABIN953677

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

Overview

Quantity:	0.4 mL
Target:	CHRNA2
Binding Specificity:	AA 49-77, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 49-77 amino acids from the N-terminal region of human CHRNA2
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CHRNA1.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	CHRNA2
Alternative Name:	Neuronal Acetylcholine Receptor Subunit alpha-2 (CHRNA2 Products)

Target Details

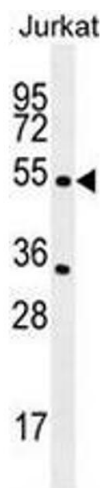
Background:	Nicotinic acetylcholine receptors (nAChRs) are ligand-gated ion channels formed by a pentameric arrangement of alpha and beta subunits to create distinct muscle and neuronal receptors. Neuronal receptors are found throughout the peripheral and central nervous system where they are involved 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.Synonyms: CHRNA2, Nicotinic acetylcholine receptor subunit alpha 2
Molecular Weight:	59765 Da
Gene ID:	1135
NCBI Accession:	NP_000733

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

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