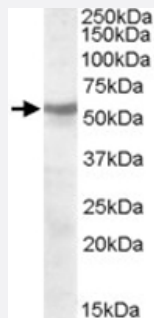


CHRNA1 polyclonal antibody

Catalog # PAB11510

Size 100 ug

Applications



Western Blot (Tissue lysate)

CHRNA1 polyclonal antibody (Cat # PAB11510) (1 ug/mL) staining of human cerebellum lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of CHRNA1.

Immunogen A synthetic peptide corresponding to human CHRNA1.

Sequence C-QEQEDHDALKED

Host Goat

Theoretical MW (kDa) 56.7

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
ELISA (1:1000)
Western Blot (1-3 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

CHRNA1 polyclonal antibody (Cat # PAB11510) (1 ug/mL) staining of human cerebellum lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CHRNA1

Entrez GeneID	1140
Protein Accession#	NP_000738.2
Gene Name	CHRNA1
Gene Alias	ACHRB, CHRNA, CMS1D, CMS2A, SCCMS
Gene Description	cholinergic receptor, nicotinic, beta 1 (muscle)
Omim ID	100710 601462 608931
Gene Ontology	Hyperlink
Gene Summary	The muscle acetylcholine receptor is composed of five subunits: two alpha subunits and one beta, one gamma, and one delta subunit. This gene encodes the beta subunit of the acetylcholine receptor. The acetylcholine receptor changes conformation upon acetylcholine binding leading to the opening of an ion-conducting channel across the plasma membrane. Mutations in this gene are associated with slow-channel congenital myasthenic syndrome. [provided by RefSeq]
Other Designations	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle) nicotinic acetylcholine receptor beta 1 subunit

Publication Reference

- [Gene-based analysis suggests association of the nicotinic acetylcholine receptor beta1 subunit \(CHRNA1\) and M1 muscarinic acetylcholine receptor \(CHRM1\) with vulnerability for nicotine dependence.](#)

Lou XY, Ma JZ, Payne TJ, Beuten J, Crew KM, Li MD.

Journal of Human Genetics 2006 Oct; 120(3):381.

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