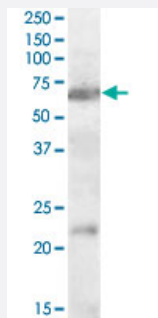


CHRNA4 polyclonal antibody

Catalog # PAB19643 Size 100 ug

Applications



Western Blot (Tissue lysate)

CHRNA4 polyclonal antibody (Cat # PAB19643) (0.3 ug/mL) staining of rat brain 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 CHRNA4.
Immunogen	A synthetic peptide corresponding to internal region of human CHRNA4.
Sequence	C-HVETRAHAEERLLKK
Host	Goat
Theoretical MW (kDa)	70, 70.2
Reactivity	Human, Rat
Specificity	This antibody is expected NOT to cross-react with the similar alpha 2 subunit.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:64000) 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)

CHRNA4 polyclonal antibody (Cat # PAB19643) (0.3 ug/mL) staining of rat brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CHRNA4

Entrez GeneID	1137
Protein Accession#	NP_000735.1
Gene Name	CHRNA4
Gene Alias	BFNC, EBN, EBN1, FLJ95812, NACHR, NACHRA4, NACRA4
Gene Description	cholinergic receptor, nicotinic, alpha 4
Omim ID	118504 188890 600513
Gene Ontology	Hyperlink

Gene Summary	This gene encodes 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 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. [provided by RefSeq]
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Other Designations	cholinergic receptor, nicotinic, alpha 4 subunit cholinergic receptor, nicotinic, alpha polypeptide 4 neuronal nicotinic acetylcholine receptor alpha-4 subunit
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Disease

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- [Alcohol-Related Disorders](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Amyotrophic lateral sclerosis](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Cues](#)
- [Discrimination \(Psychology\)](#)
- [Disease Models](#)
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- [Motor Neuron Disease](#)
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