

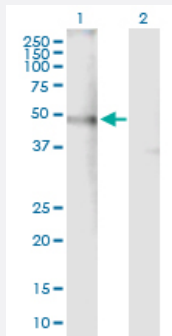
MaxPab®

CHRNA4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001137-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CHRNA4 expression in transfected 293T cell line ([H00001137-T02](#)) by CHRNA4 MaxPab polyclonal antibody.

Lane 1: CHRNA4 transfected lysate(49.61 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CHRNA4 protein.
Immunogen	CHRNA4 (AAH96292.1, 1 a.a. ~ 451 a.a) full-length human protein.
Sequence	MKFGSWTYDKAKIDLVNMHSRVDQLDFWESGEWVIVDAVGTYNTRKYECCAENYPDITYAFVIRRL PLFYTNLIIPCLLISCLTVLVFYPSECGEKITLCISVLLSLTVFLLITEIIPSTSLVIPLIGEYLLFTMIFVT LSMITVFLNVHHRSPRTHMPTWVRRVFLDVPRLLLMKRPSVVKDNCRLIESMHKMASAPRF WPEPEGEPPATSGTQSLHPPSPSFCVPLDVP AEPGPSCCKSPSDQLPPQQPLEAEKASPHSPSP GPCRPPHGTQAPGLAKARSLSVQHMSSPGEAVEGGVRCRSRSIQYCVPRDDAAPEADGQAAG ALASRNTHSAELPPPDQPSCKCTCKKEPSSVSPSATVKTRSTKAPPPHLPLSPALTRAVEGVQ YIADHLKAEDTDFSVKEDWKYVAMVIDRIFLWMFIIVCLLGTVGLFLPPWLAGMI
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

Gene Info — CHRNA4

Entrez GeneID [1137](#)

GeneBank Accession# [BC096292.1](#)

Protein Accession# [AAH96292.1](#)

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]

Other Designations cholinergic receptor, nicotinic, alpha 4 subunit|cholinergic receptor, nicotinic, alpha polypeptide 4|neuronal nicotinic acetylcholine receptor alpha-4 subunit

Disease

- [Alcoholism](#)

- [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](#)
- [DNA Damage](#)
- [Ductus Arteriosus](#)
- [Epilepsy](#)
- [Exfoliation Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Memory](#)
- [Motor Neuron Disease](#)
- [NARP](#)
- [Neuropsychological Tests](#)
- [Obesity](#)

- [Ovarian Failure](#)
- [Parkinson disease](#)
- [Pattern Recognition](#)
- [Personality Assessment](#)
- [Polycystic Ovary Syndrome](#)
- [Prenatal Exposure Delayed Effects](#)
- [Psychological Tests](#)
- [Psychomotor Performance](#)
- [Psychoses](#)
- [Puberty](#)
- [Reaction Time](#)
- [Recognition \(Psychology\)](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Seizures](#)
- [Space Perception](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Verbal Learning](#)
- [Weight Gain](#)