

Rabbit anti-Human, Mouse CHRNA4 Polyclonal Antibody | anti-CHRNA4 antibody

CHRNA4 Antibody (N-Term)

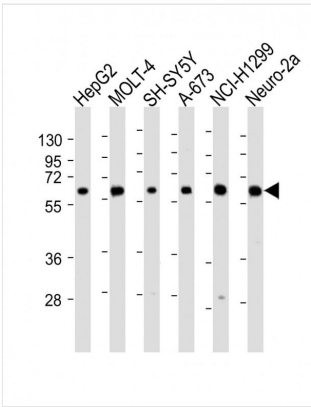
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290593	Rabbit	Human, Mouse	ELISA, Western Blot

PRODUCT SYNONYMS

CHRNA4; Polyclonal Antibody; CHRNA4 Antibody (N-Term); Purified Rabbit Polyclonal Antibody (Pab); Neuronal acetylcholine receptor subunit alpha-4; NACRA4; anti-CHRNA4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Ig
Specificity	This CHRNA4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 176-208 amino acids from human CHRNA4.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	627
Applicable Applications for anti-CHRNA4 antibody	ELISA, WB (Western Blot)
Function	After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane permeable to sodium ions.
Cellular Location	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cell membrane; Lipid-anchor
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
All lanes : Anti-CHRNA4 Antibody (N-Term) at 1:2000 dilution
Lane 1: HepG2 whole cell lysate
Lane 2: MOLT-4 whole cell lysate
Lane 3: SH-SY5Y whole cell lysate
Lane 4: A-673 whole cell lysate
Lane 5: NCI-H1299 whole cell lysate
Lane 6: Neuro-2a whole cell lysate
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 70 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRNA4 antibody	After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane permeable to sodium ions.
Product Categories/Family for anti-CHRNA4 antibody	Crown Antibodies; Cancer; Metabolism; Neuroscience
References	Monteggia L.M.,et al.Gene 155:189-193(1995). Steinlein O.K.,et al.Genomics 32:289-294(1996). Elliott K.J.,et al.J. Mol. Neurosci. 7:217-228(1996). Groot Kormelink P.J.,et al.FEBS Lett. 400:309-314(1997). Deloukas P.,et al.Nature 414:865-871(2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502827
NCBI GeneID	1137
NCBI Accession #	NP_000735.1
NCBI GenBank Nucleotide #	NM_000744.6
UniProt Accession #	P43681; Q4JGR7; Q4VAQ5; Q4VAQ6
Molecular Weight	69957
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-4 isoform 1
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic alpha 4
NCBI Official Symbol	CHRNA4
NCBI Official Synonym Symbols	EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-4
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-4
UniProt Gene Name	CHRNA4
UniProt Synonym Gene Names	NACRA4
UniProt Entry Name	ACHA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/chrna4-antibody-western-blot-elisa/290593>