

Rabbit CHRNA7 Polyclonal Antibody | anti-CHRNA7 antibody

CHRNA7 Polyclonal Antibody

CATALOG # AAA280677	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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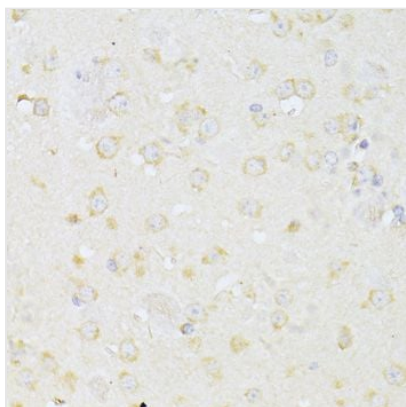
PRODUCT SYNONYMS

CHRNA7; Polyclonal Antibody; CHRNA7 Polyclonal Antibody; NACHRA7; CHRNA7-2; anti-CHRNA7 antibody

PRODUCT SPECIFICATIONS

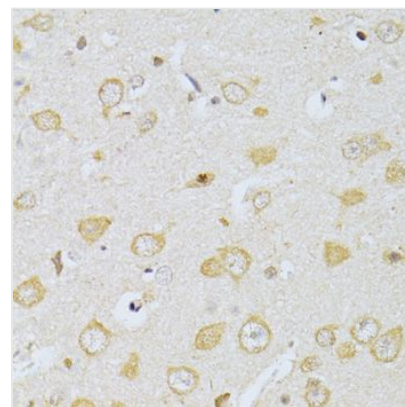
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	502
Applicable Applications for anti-CHRNA7 antibody	WB (Western Blot)
Immunogen	Recombinant protein of human CHRNA7
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



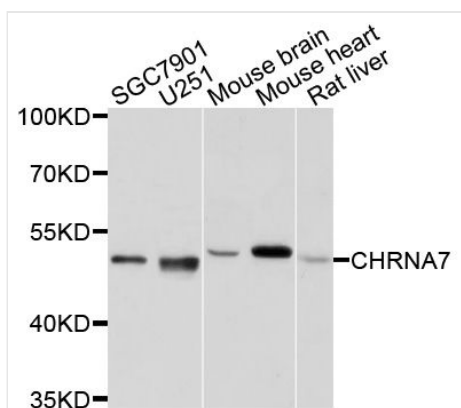
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using CHRNA7 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using CHRNA7 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CHRNA7 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRNA7 antibody

The nicotinic acetylcholine receptors (nAChRs) are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The nAChRs are thought to be hetero-pentamers composed of homologous subunits. The proposed structure for each subunit 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. The protein encoded by this gene forms a homo-oligomeric channel, displays marked permeability to calcium ions and is a major component of brain nicotinic receptors that are blocked by, and highly sensitive to, alpha-bungarotoxin. Once this receptor binds acetylcholine, it undergoes an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. This gene is located in a region identified as a major susceptibility locus for juvenile myoclonic epilepsy and a chromosomal location involved in the genetic transmission of schizophrenia. An evolutionarily recent partial duplication event in this region results in a hybrid containing sequence from this gene and a novel FAM7A gene. Alternative splicing results in multiple transcript variants.

Product Categories/Family for anti-CHRNA7 antibody

Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502831
NCBI GeneID	1139
NCBI Accession #	NP_000737.1
NCBI GenBank Nucleotide #	NM_000746.5
UniProt Accession #	P36544; Q15826; Q8IUZ4; Q96RH2; Q99555; Q9BXH0; A8K7Q4; B4DFS0
Molecular Weight	Calculated MW: 56kDa Molecular Weight: 502
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-7 isoform 1
NCBI Official Synonym Full Names	cholinergic receptor nicotinic alpha 7 subunit
NCBI Official Symbol	CHRNA7
NCBI Official Synonym Symbols	NACHRA7; CHRNA7-2
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-7
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-7
UniProt Gene Name	CHRNA7

UniProt Synonym Gene Names	NACHRA7
UniProt Entry Name	ACHA7_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/chrna7-antibody-western-blot-elisa/280677>