

Rabbit CHRNA7 Polyclonal Antibody | anti-CHRNA7 antibody

CHRNA7 Antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198093	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

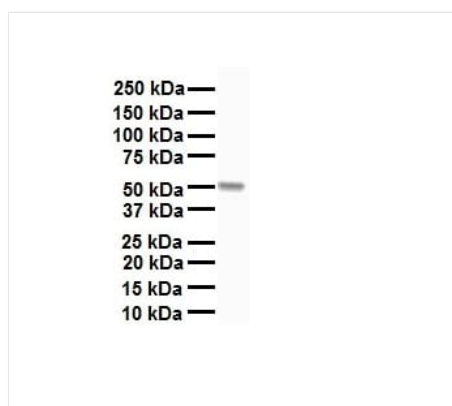
PRODUCT SYNONYMS

CHRNA7; Polyclonal Antibody; CHRNA7 Antibody - C-terminal region; anti-CHRNA7 antibody

PRODUCT SPECIFICATIONS

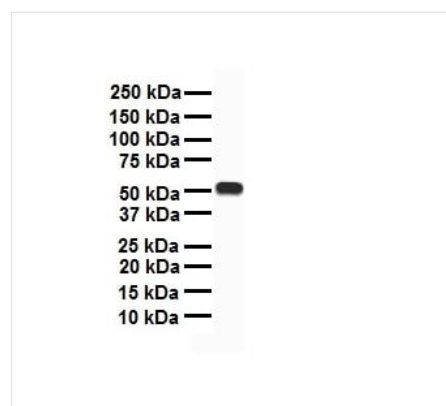
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: GQ PPEGDPDLAK ILEEVRYIAN RFRCQDESEA VCSEWKFAAC VVDRLCLM
Sequence Length	502
Applicable Applications for anti-CHRNA7 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 77%; Rabbit: 93%; Rat: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the C-terminal region of human CHRNA7
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



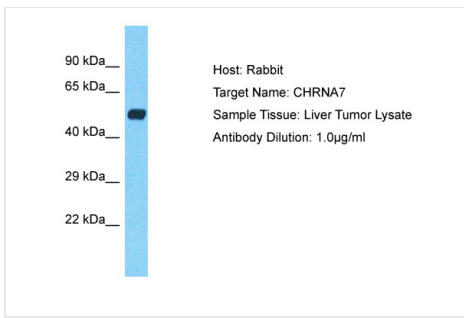
WB (Western Blot)

WB Suggested Anti-CHRNA7 antibody Titration: 1 ug/mL Sample Type: Human liver



WB (Western Blot)

WB Suggested Anti-CHRNA7 antibody Titration: 1 ug/mL Sample Type: Human heart



WB (Western Blot)
Host: RabbitTarget Name: CHRNA7Sample Type: Liver Tumor lysatesAntibody Dilution:
1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CHRNA7 antibody	This is a rabbit polyclonal antibody against CHRNA7. It was validated on Western Blot Target Description: 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; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502831
NCBI GeneID	1139
NCBI Accession #	NP_000737.1
NCBI GenBank Nucleotide #	NM_000746.5
UniProt Accession #	P36544
Molecular Weight	55kDa
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://stage.aaabiotech.com/polyclonal/chrna7-antibody-western-blot-elisa/198093>