

Rabbit CHRNB1 Polyclonal Antibody | anti-CHRNB1 antibody

CHRNB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326960	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

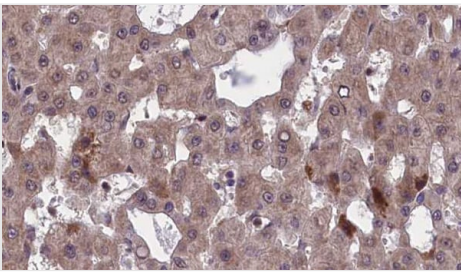
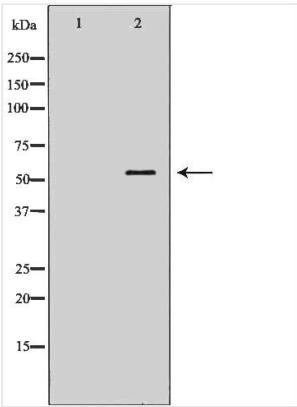
PRODUCT SYNONYMS

CHRNB1; Polyclonal Antibody; CHRNB1 Antibody; Acetylcholine receptor protein beta chain precursor; Acetylcholine receptor subunit beta; ACHB_HUMAN; AChR; ACHRB; Cholinergic receptor nicotinic beta polypeptide 1 (muscle); Chrn1; CHRNB; chrn1; CMS1D; CMS2A; Nicotinic acetylcholine receptor beta subunit precursor; SCCMS; anti-CHRNB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CHRNB1 antibody detects endogenous levels of total CHRNB1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	501
Applicable Applications for anti-CHRNB1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CHRNB1
Subcellular Location	Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326960 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of MCF7 cell lysate, using CHRNB1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRNB1 antibody	Description: The muscle acetylcholine receptor is composed of five subunits: two alpha subunits and one beta, one gamma, and one delta subunit. This gene encodes the beta subunit of the acetylcholine receptor. The acetylcholine receptor changes conformation upon acetylcholine binding leading to the opening of an ion-conducting channel across the plasma membrane. Mutations in this gene are associated with slow-channel congenital myasthenic syndrome. 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. Subunit Structure: Pentamer of two alpha chains, and one each of the beta, delta, and gamma (in immature muscle) or epsilon (in mature muscle) chains. The muscle heteropentamer composed of alpha-1, beta-1, delta, epsilon subunits interacts with the alpha-conotoxin ImII (PubMed:15609996). Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Beta-1/CHRNB1 sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41327726
NCBI GeneID	1140
NCBI Accession #	NP_000738.2
NCBI GenBank Nucleotide #	NM_000747.2
UniProt Accession #	P11230; Q8IZ46; Q96FB8; B7Z5H1
Molecular Weight	Observed: 57 kDa Predicted: 57 kDa
NCBI Official Full Name	acetylcholine receptor subunit beta
NCBI Official Synonym Full Names	cholinergic receptor nicotinic beta 1 subunit
NCBI Official Symbol	CHRNB1
NCBI Official Synonym Symbols	ACHRB; CHRNB; CMS1D; CMS2A; CMS2C; SCCMS
NCBI Protein Information	acetylcholine receptor subunit beta
UniProt Protein Name	Acetylcholine receptor subunit beta
UniProt Gene Name	CHRNB1
UniProt Synonym Gene Names	ACHRB; CHRNB

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/chrb1-antibody-immunohistochemistry-western-blot-elisa/326960>