Rabbit CHRNA5 Polyclonal Antibody | anti-CHRNA5 antibody

CHRNA5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326351	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

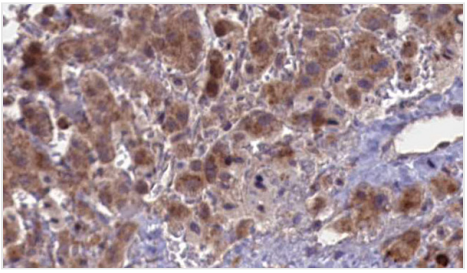
PRODUCT SYNONYMS

CHRNA5; Polyclonal Antibody; CHRNA5 Antibody; Acetylcholine receptor nicotinic alpha 5 (neuronal); ACHA5_HUMAN; AChR; Cholinergic receptor neuronal nicotinic alpha polypeptide 5; Cholinergic receptor nicotinic alpha 5; Cholinergic receptor nicotinic alpha polypeptide 5; CHRNA 5; LNCR2; NACHRA 5; NACHRA5; Neuronal acetylcholine receptor subunit alpha 5; Neuronal acetylcholine receptor subunit alpha-5; Neuronal nicotinic acetylcholine receptor alpha 5 subunit; Neuronal nicotinic acetylcholine receptor; alpha5 subunit; OTTHUMP00000185019; anti-CHRNA5 antibody

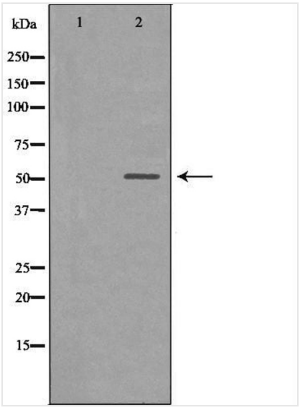
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CHRNA5 antibody detects endogenous levels of total CHRNA5
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	468
Applicable Applications for anti-CHRNA5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CHRNA5
Subcellular Location	Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (89%), Dog (89%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA326351 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 extracts of mouse brain tissue, using CHRNA5 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRNA5 antibody	Description: The protein encoded by this gene is a nicotinic acetylcholine receptor subunit and a member of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCR2).[provided by RefSeq, Jun 2010] 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: Neuronal AChR seems to be composed of two different type of subunits: alpha and non-alpha (beta). Interacts with LYPD6 (PubMed:27344019). Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Alpha-5/CHRNA5 sub-subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33589827
NCBI GeneID	1138
NCBI Accession #	NP_000736.2
NCBI GenBank Nucleotide #	NM_000745.3
UniProt Accession #	P30532; Q15824; Q99554
Molecular Weight	Observed: 53 kDa Predicted: 54 kDa
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-5 isoform 1
NCBI Official Synonym Full Names	cholinergic receptor nicotinic alpha 5 subunit
NCBI Official Symbol	CHRNA5
NCBI Official Synonym Symbols	LNCR2
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-5
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-5
UniProt Gene Name	**CHRNA5**
UniProt Synonym Gene Names	NACHRA5

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/chrna5-antibody-immunohistochemistry-western-blot-elisa/326351