AChRα3 rabbit pAb

Cat#: orb764457 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	AChRα3 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human AChRalpha3. AA range:90-139
Specificity	AChRα3 Polyclonal Antibody detects endogenous levels of AChRα3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Neuronal acetylcholine receptor subunit alpha-3
Gene Name	CHRNA3
Cellular localization	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane ; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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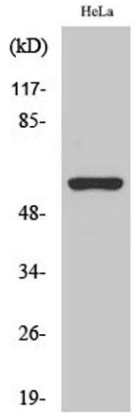
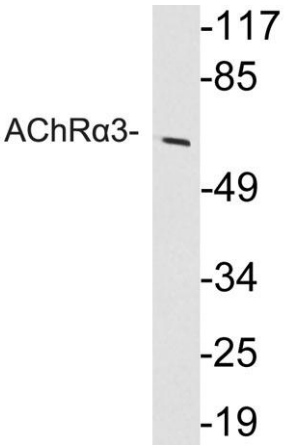
Concentration	1 mg/ml
Observed band	57kD
Human Gene ID	1136
Human Swiss-Prot Number	P32297
Alternative Names	CHRNA3; NACHRA3; Neuronal acetylcholine receptor subunit alpha-3

Background

This locus encodes a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. This locus encodes an alpha-type subunit, as it contains characteristic adjacent cysteine residues. The encoded protein is a ligand-gated ion channel that likely plays a role in neurotransmission. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2009],



Western Blot analysis of various cells using AChRα3 Polyclonal Antibody



Western blot analysis of lysate from HeLa cells, using AChRα3 antibody.

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