

AChR Alpha10 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00172
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CHRNA10. AA range:394-443
Mol wt	49705
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	AChRalpha10 Antibody
Synonyms	CHRNA10; NACHRA10; Neuronal acetylcholine receptor subunit alpha-10; Nicotinic acetylcholine receptor subunit alpha-10; NACHR alpha-10

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Members of the ligand-gated ion channel receptor family are characterized by their fast transmitting response to neurotransmitters. Two important members of this family are the nicotinic acetylcholine and glutamate receptors, both of which are composed of five homologous subunits forming a transmembrane aqueous pore. These transmembrane receptors change conformation in response to their cognate neurotransmitter. Nicotinic acetylcholine receptors (AChRs) are found at the postsynaptic membrane of the neuromuscular junction and bind acetylcholine molecules, allowing ions to move through the pore. Glutamate receptors are found in the postsynaptic membrane of cells in the central nervous system. The activity that is generated at the synapse by the binding of acetylcholine is terminated by acetylcholinesterase, an enzyme that rapidly hydrolyzes acetylcholine. AChR α 10, also known as CHRNA10, is a 450 amino acid multi-pass membrane protein expressed in inner-ear tissue, tonsil, immortalized B-cells, cultured T-cells and peripheral blood lymphocytes. AChR α 10 forms a hetero-oligomeric channels in conjunction with AChR α 9 and is considered an ionotropic receptor with a probable role in the modulation of auditory stimuli.

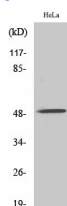
Recommended Dilution

WB: 1: 500 - 1: 2000

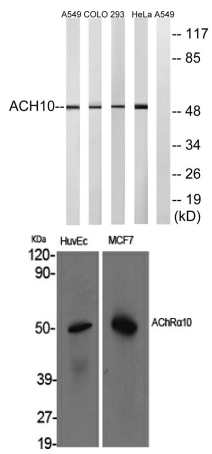
ELISA: 1: 20000

Not yet tested in other applications.

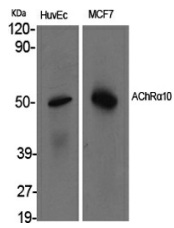
Images



Western Blot analysis of A549 cells using AChR α 10 Polyclonal Antibody



Western blot analysis of lysates from HeLa, 293, COLO, and A549 cells, using CHRNA10 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using AChRα10 Polyclonal Antibody

Storage

-20°C for one year

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