



# AChRα3 Monoclonal Antibody

<b>Catalog No</b>	BYmab-16370
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	CHRNA3
<b>Protein Name</b>	Neuronal acetylcholine receptor subunit alpha-3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human AChRα3. AA range:90-139
<b>Specificity</b>	AChR α 3 Monoclonal Antibody detects endogenous levels of AChR α 3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CHRNA3; NACHRA3; Neuronal acetylcholine receptor subunit alpha-3
<b>Observed Band</b>	57kD
<b>Cell Pathway</b>	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane ; Multi-pass membrane protein.
<b>Tissue Specificity</b>	Brain,Keratinocyte,Lung,Thymus,
<b>Function</b>	disease:Genetic variations in CHRNA3 may be associated with susceptibility to lung cancer type 2 (LNCR2) [MIM:612052].,disease:Genetic variations in CHRNA3 may be associated with susceptibility to peripheral arterial occlusive disease type 2 (PAOD2) [MIM:612052]. PAOD results from atherosclerosis of large and medium peripheral arteries, as well as the aorta. Many risk factors contribute to PAOD, including smoking, diabetes, hypertension, and hyperlipidemia. PAOD often coexists with coronary artery disease and cerebrovascular disease.,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.,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9)

**Nanjing BYabscience technology Co.,Ltd**



family.,subunit:Neuronal AChR is composed of two different types of subunits: alpha and beta. Alp

#### 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],

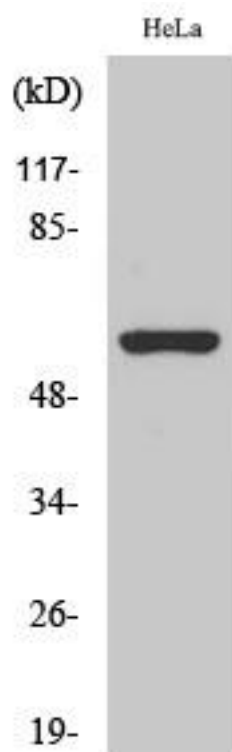
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using AChR  $\alpha$  3 Monoclonal Antibody

Nanjing BYabs science technology Co.,Ltd