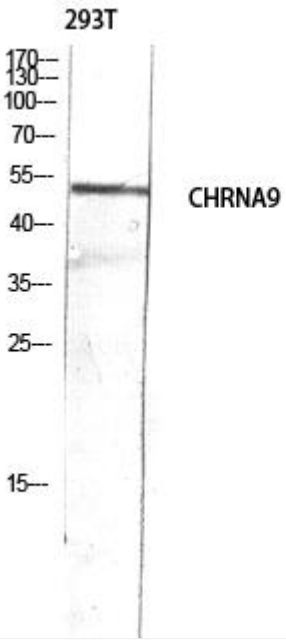
AChRα9 Monoclonal Antibody

Catalog No	BYmab-10578
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CHRNA9
Protein Name	cholinergic receptor, nicotinic, alpha 9
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human CHRNA9. AA range:50-100
Specificity	AChR α 9 Monoclonal Antibody detects endogenous levels of cholinergic receptor, nicotinic, alpha 9
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Neuronal acetylcholine receptor subunit alpha-9 (Nicotinic acetylcholine receptor subunit alpha-9) (NACHR alpha-9)
Observed Band	55kD
Cell Pathway	Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in cochlea, keratinocytes, pituitary gland, B-cells and T-cells.
Function	function:Ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding may induce an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. The channel is permeable to a range of divalent cations including calcium, the influx of which may activate a potassium current which hyperpolarizes the cell membrane. In the ear, this may lead to a reduction in basilar membrane motion, altering the activity of auditory nerve fibers and reducing the range of dynamic hearing. This may protect against acoustic trauma. May also regulate keratinocyte adhesion.,miscellaneous:The hetero-oligomeric receptor composed of CHRNA9 and CHRNA10 has an atypical pharmacological

	profile, binding several non-nicotinic ligands including strychnine (a glycine receptor antagonist) and atropine (a muscarinic
Background	This gene is a member of the ligand-gated ionic channel family and nicotinic acetylcholine receptor gene superfamily. It encodes a plasma membrane protein that forms homo- or hetero-oligomeric divalent cation channels. This protein is involved in cochlea hair cell development and is also expressed in the outer hair cells (OHCs) of the adult cochlea. [provided by RefSeq, Feb 2012],
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 α 9 Monoclonal Antibody