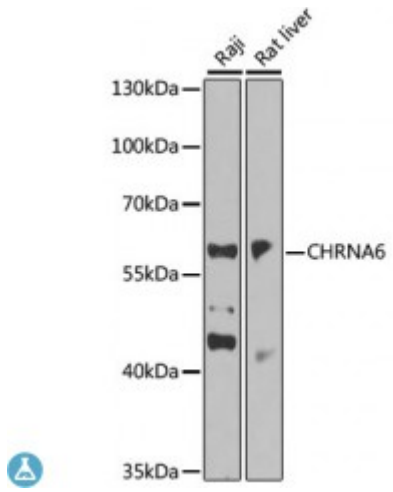
Anti-CHRNA6 Antibody



Description	This gene encodes an alpha subunit of neuronal nicotinic acetylcholine receptors. These receptors consist of five subunits and function as ion channels involved in neurotransmission. The encoded protein is a subunit of neuronal nicotinic acetylcholine receptors that mediate dopaminergic neurotransmission and are activated by acetylcholine and exogenous nicotine. Alternatively spliced transcript variants have been observed for this gene. Single nucleotide polymorphisms in this gene have been associated with both nicotine and alcohol dependence.

Model	STJ116016
Host	Rabbit
Reactivity	Human, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 350-440 of human CHRNA6 (NP_004189.1).
Gene ID	8973
Gene Symbol	CHRNA6
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Neuronal acetylcholine receptor subunit alpha-6
Molecular Weight	56.898 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:15963OMIM:606888Reactome:R-HSA-629594
Alternative Names	Neuronal acetylcholine receptor subunit alpha-6
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
Cellular Localization	Cell junction, synapse, postsynaptic cell membrane