CHRNA2 Antibody

Catalog No: #37487

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Description

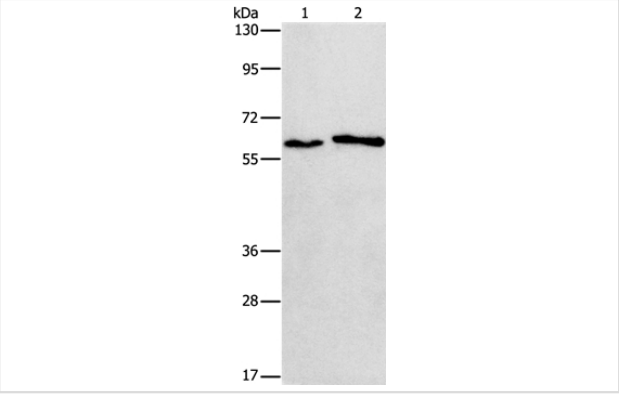
Product Name	CHRNA2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CHRNA2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human cholinergic receptor, nicotinic, alpha 2 (neuronal)
Target Name	CHRNA2
Other Names	ACHA2; CHRNA2; Neuronal acetylcholine receptor subunit alpha-2
Accession No.	Swiss-Prot#: Q15822NCBI Gene ID: 1135Gene Accssion: NP_000733
Uniprot	Q15822
GeneID	1135;
SDS-PAGE MW	60kd
Concentration	1.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

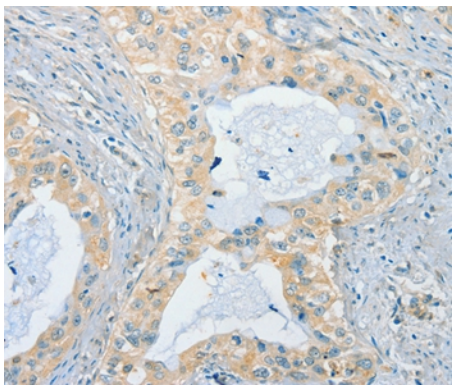
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

Images



Gel: 8%SDS-PAGE
Lysates (from left to right): A172 and A549 cell
Amount of lysate: 40ug per lane
Primary antibody: 1/950 dilution
Secondary antibody dilution: 1/8000
Exposure time: 1 minute



Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using #37487 at dilution 1/40.

Background

Nicotinic acetylcholine receptors (nAChRs) are ligand-gated ion channels formed by a pentameric arrangement of alpha and beta subunits to create distinct muscle and neuronal receptors. Neuronal receptors are found throughout the peripheral and central nervous system where they are involved in fast synaptic transmission. This gene encodes an alpha subunit that is widely expressed in the brain. The proposed structure for nAChR subunits is a conserved N-terminal extracellular domain followed by three conserved transmembrane domains, a variable cytoplasmic loop, a fourth conserved transmembrane domain, and a short C-terminal extracellular region. Mutations in this gene cause autosomal dominant nocturnal frontal lobe epilepsy type 4. Single nucleotide polymorphisms (SNPs) in this gene have been associated with nicotine dependence.

Note: This product is for in vitro research use only