

CHRNA3 Antibody

Catalog No: #31245

Package Size: #31245-1 50ul #31245-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	CHRNA3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total CHRNA3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 69-83 amino acids of Human cholinergic receptor, nicotinic, alpha 3 (neuronal)
Target Name	CHRNA3
Other Names	cholinergic receptor, nicotinic, alpha 3 (neuronal), LNCR2, PAOD2, NACHRA3
Accession No.	Swiss-Prot:P32297Gene ID:1136;
Uniprot	P32297
GeneID	1136;
Concentration	0.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

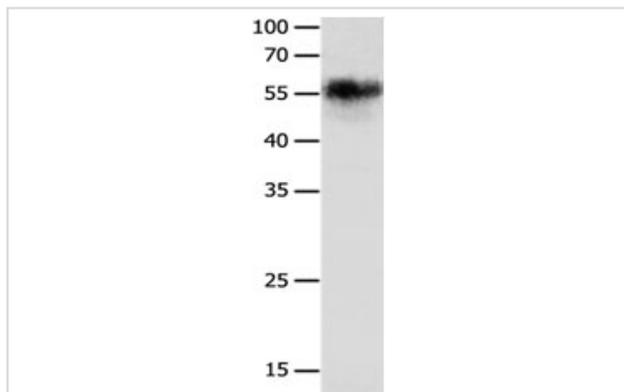
Predicted MW: 55kd

ELISA: 1:2000-1:10000

Western blotting: 1:1000-1:5000

Immunohistochemistry: 1:15-1:50

Images



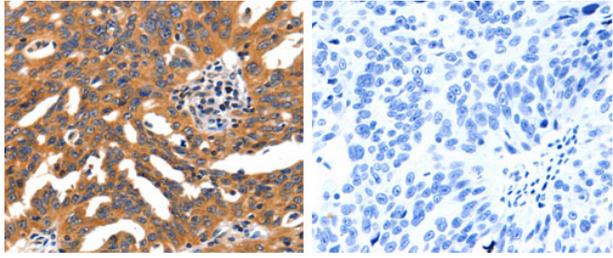
Gel: 10%SDS-PAGE

Lysate: 40 µg Hela cell lysate

Primary antibody: 1/600 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 31245(CHRNA3 Antibody) at dilution 1/10, on the right is treated with the synthetic peptide.

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.

Note: This product is for in vitro research use only