

For Research Use Only

CHRNA Polyclonal antibody

Catalog Number: 21928-1-AP



Basic Information

Catalog Number: 21928-1-AP	GenBank Accession Number: BC111802	Purification Method: Antigen affinity purification
Size: 500 ug/ml	GeneID (NCBI): 1146	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P07510	
Isotype: IgG	Full Name: cholinergic receptor, nicotinic, gamma	
Immunogen Catalog Number: AG16505	Calculated MW: 465 aa, 52 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells
Species Specificity: human	

Background Information

Acetylcholine receptor subunit gamma is a protein that in humans is encoded by the CHRNA gene. The mammalian muscle-type acetylcholine receptor is a transmembrane pentameric glycoprotein with two alpha subunits, one beta, one delta, and one epsilon (in adult skeletal muscle) or gamma (in fetal and denervated muscle) subunit. This gene, which encodes the gamma subunit, is expressed prior to the thirty-third week of gestation in humans. The gamma subunit of the acetylcholine receptor plays a role in neuromuscular organogenesis and ligand binding and disruption of gamma subunit expression prevents the correct localization of the receptor in cell membranes. Mutations in this gene cause Escobar syndrome and a lethal form of multiple pterygium syndrome. Muscle-type acetylcholine receptor is the major antigen in the autoimmune disease myasthenia gravis.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

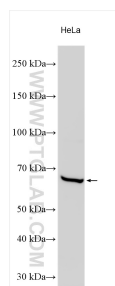
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21928-1-AP (CHRG antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.