

For Research Use Only

CHRNA7 Monoclonal antibody

Catalog Number: 60220-1-Ig **1 Publications**



Basic Information

Catalog Number: 60220-1-Ig	GenBank Accession Number: BC037571	Purification Method: Protein A purification
Size: 150ul , Concentration: 1200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1139	CloneNo.: 2H1G3
Source: Mouse	Full Name: cholinergic receptor, nicotinic, alpha 7	Recommended Dilutions: 7WB 1:500-1:2000 IHC 1:50-1:500
Isotype: IgG2b	Calculated MW: 502 aa, 56 kDa	
Immunogen Catalog Number: AG15980	Observed MW: 56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : MCF7 cells, IHC : human brain tissue,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Nicotinic acetylcholine receptors (nAChRs) are cholinergic receptors that form ligand-gated ion channels that mediate fast signal transmission at synapses. CHRNA7 (neuronal acetylcholine receptor subunit alpha-7) forms a homo-oligomeric channel, displays marked permeability to calcium ions and is a major component of brain nicotinic receptors that are blocked by, and highly sensitive to, alpha-bungarotoxin.

Notable Publications

Author	Pubmed ID	Journal	Application
Tommy S Tillman	27385587	J Biol Chem	WB

Storage

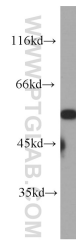
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

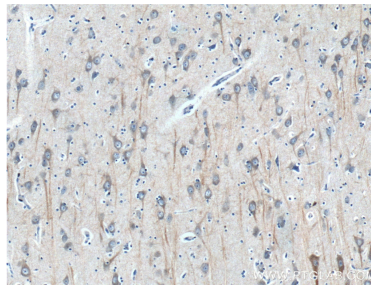
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

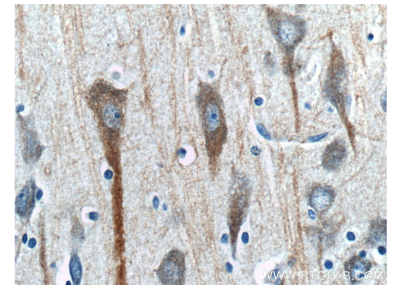
Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 60220-1-Ig (CHRNA7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60220-1-Ig (CHRNA7 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60220-1-Ig (CHRNA7 Antibody) at dilution of 1:200 (under 40x lens).