

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: 1200 µg/ml	GeneID (NCBI): 1139	CloneNo.: 2H1G3
Source: Mouse	UNIPROT ID: P36544	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Isotype: IgG2b	Full Name: cholinergic receptor, nicotinic, alpha 7	
Immunogen Catalog Number: AG15980	Calculated MW: 502 aa, 56 kDa	
	Observed MW: 56 kDa	

Applications

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

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

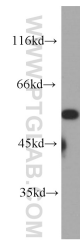
T: 4006900926

E: Proteintech-CN@ptglab.com

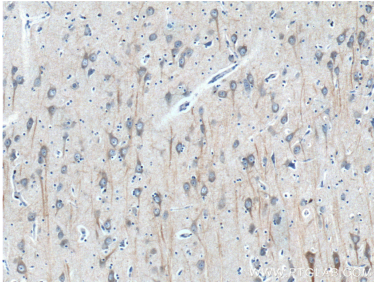
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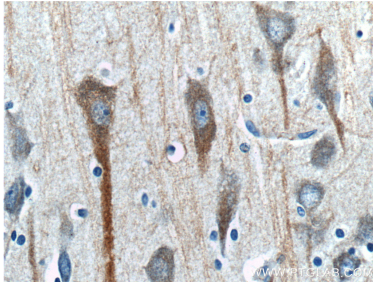
Selected Validation Data



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).