

For Research Use Only

CHRNA7 (48 kDa) Recombinant antibody, PBS Only

Catalog Number: 82848-3-PBS

Featured Product



Basic Information

Catalog Number: 82848-3-PBS	GenBank Accession Number: BC037571	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 1139	CloneNo.: 2A10
Source: Rabbit	UNIPROT ID: P36544	
Isotype: IgG	Full Name: cholinergic receptor, nicotinic, alpha 7	
Immunogen Catalog Number: AG15980	Calculated MW: 502 aa, 56 kDa	
	Observed MW: ~50 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

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. CHRNA7, so that like CHRNA7, the epithelial CHRFA7A ORF encodes a protein (48 kDa) that differs from the CHRNA7 (58 kDa) by a distinct amino terminus and molecular weight.(PMID: 25473097)

Storage

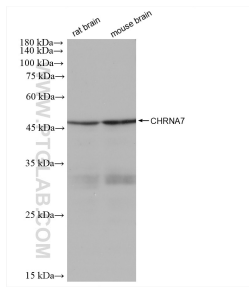
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

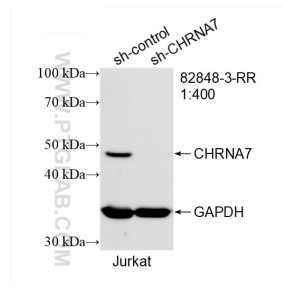
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

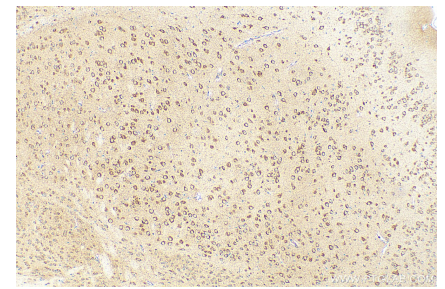
Selected Validation Data



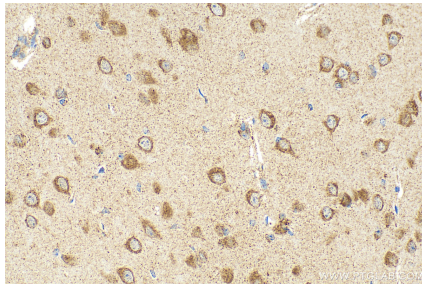
Various lysates were subjected to SDS PAGE followed by western blot with 82848-3-RR (CHRNA7 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82848-3-PBS in a different storage buffer formulation.



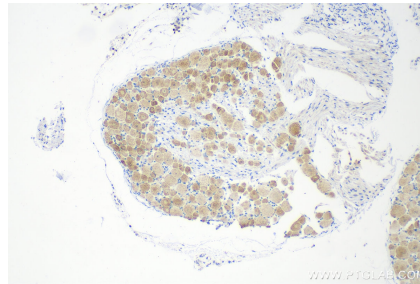
WB result of CHRNA 7 antibody (82848-3-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-CHRNA7 transfected Jurkat cells. This data was developed using the same antibody clone with 82848-3-PBS in a different storage buffer formulation.



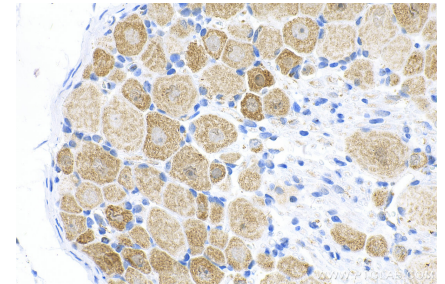
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82848-3-RR (CHRNA7 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82848-3-PBS in a different storage buffer formulation.



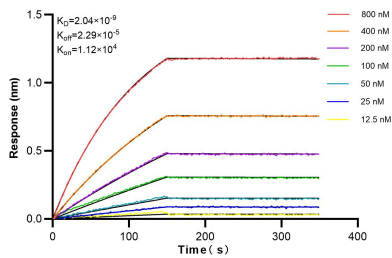
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82848-3-RR (CHRNA7 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82848-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat dorsal root ganglion tissue slide using 82848-3-RR (CHRNA7 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82848-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat dorsal root ganglion tissue slide using 82848-3-RR (CHRNA7 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82848-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82848-3-RR against Human CHRNA7 (48 kDa) were performed. The affinity constant is 2.04 nM.