

For Research Use Only

CHRNA7 Recombinant antibody

Catalog Number: 82848-3-RR



Basic Information

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|--|---|---|
| Catalog Number: 82848-3-RR | GenBank Accession Number: BC037571 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 1139 | CloneNo.: 2A10 |
| Source: Rabbit | UNIPROT ID: P36544 | Recommended Dilutions: WB 1:1000-1:5000 IHC 1:250-1:1000 |
| 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, ELISA

Species Specificity:

mouse , rat

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

Positive Controls:

WB : rat brain tissue, Jurkat cells

IHC : mouse brain tissue,

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 -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

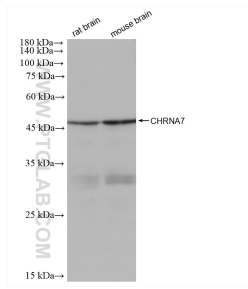
For technical support and original validation data for this product please contact:

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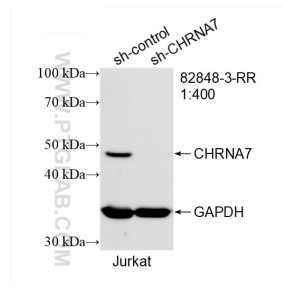
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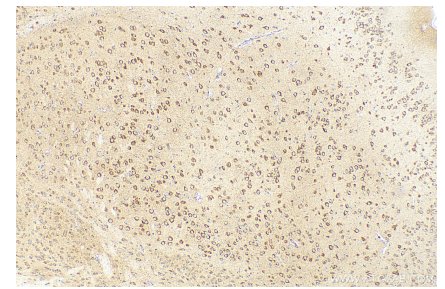
Selected Validation Data



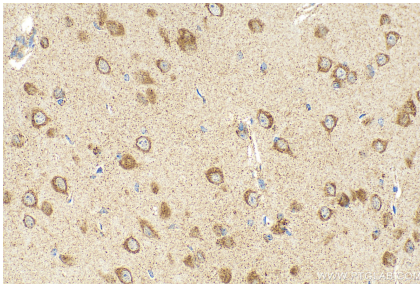
Various lysates were subjected to SDS PAGE followed by western blot with 82848-3-RR (CHRNA7 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



WB result of CHRNA 7 antibody (82848-3-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-CHRNA 7 transfected Jurkat cells.



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).



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).