

For Research Use Only

SPTBN4 Polyclonal antibody, PBS Only

Catalog Number: 31713-1-PBS



Basic Information

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|---|---|--|
| Catalog Number: 31713-1-PBS | GenBank Accession Number: NM_020971 | Purification Method: Antigen affinity Purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 57731 | |
| Source: Rabbit | UNIPROT ID: Q9H254 | |
| Isotype: IgG | Full Name: spectrin, beta, non-erythrocytic 4 | |
| Immunogen Catalog Number: AG36430 | Calculated MW: 288kDa | |
| | Observed MW: 250, 140 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

SPTBN4 also known as beta-IV spectrin, encodes a nonerythrocytic member of the beta-spectrin protein family that is expressed in the brain, peripheral nervous system, pancreas, and skeletal muscle. Spectrins are rod-shaped proteins that were originally identified as part of the lattice-like cytoskeleton under the erythrocyte membrane(PMID: 11086001).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

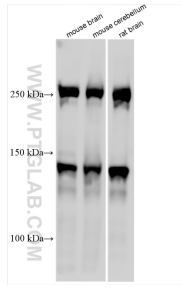
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

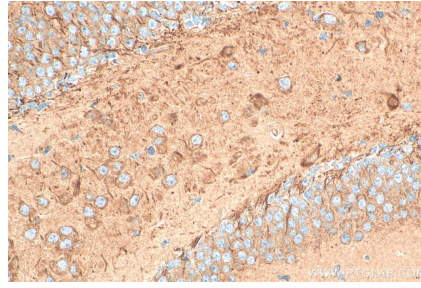
E: proteintech@ptglab.com
W: ptglab.com

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

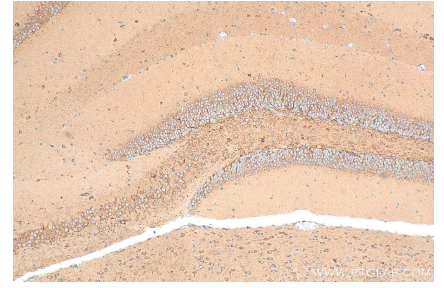
Selected Validation Data



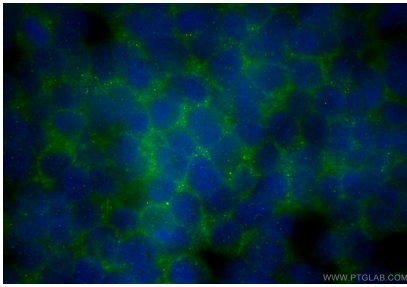
Various lysates were subjected to SDS PAGE followed by western blot with 31713-1-AP (SPTBN4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31713-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 31713-1-AP (SPTBN4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31713-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 31713-1-AP (SPTBN4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31713-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using SPTBN4 antibody (31713-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 31713-1-PBS in a different storage buffer formulation.