

For Research Use Only

SPTAN1 Recombinant antibody, PBS Only

Catalog Number: 84761-2-PBS



Basic Information

Catalog Number: 84761-2-PBS	GenBank Accession Number: NM_003127.3	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 6709	CloneNo.: 242104B7
Source: Rabbit	UNIPROT ID: Q13813	
Isotype: IgG	Full Name: spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)	
Immunogen Catalog Number: AG36472	Calculated MW: 285kDa, 2472aa	
	Observed MW: 285 kDa, 150 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

SPTAN1 (Nonerythroid spectrin α II), also termed α -Fodrin, is a cytoskeletal protein that belongs to the family of spectrins. Spectrins includes several structural proteins (α - and β -spectrin, α -actinin, dystrophin, and utrophin) that build and stabilize the cytoskeleton by forming a hexagonal mesh under the plasma membrane and ensuring stability and organization of organelles in the cell. SPTAN1 encodes for a 2,472 amino acid protein with a predicted molecular weight of 284 kDa and can be cleaved by calpain leading to a 150 kDa fragment (PMID: 31186638).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

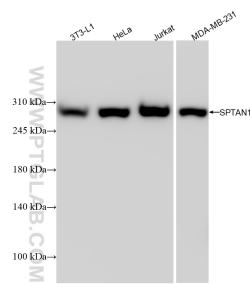
T: 4006900926

E: Proteintech-CN@ptglab.com

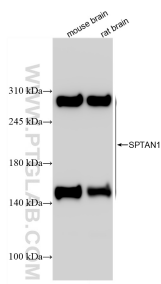
W: ptgcn.com

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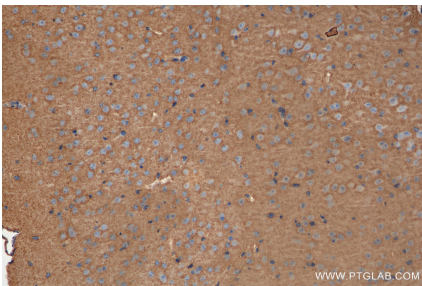
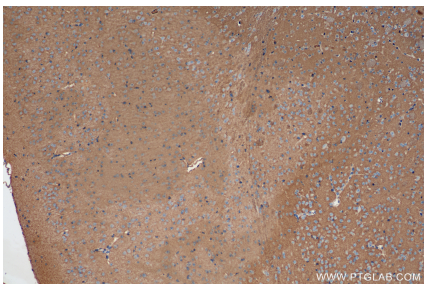
Selected Validation Data



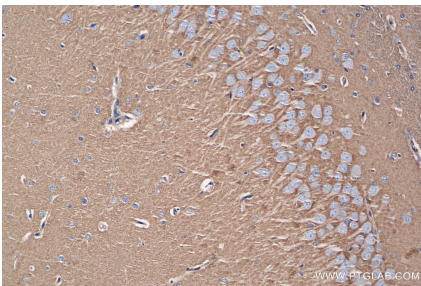
Various lysates were subjected to SDS PAGE followed by western blot with 84761-2-RR (SPTAN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84761-2-PBS in a different storage buffer formulation.



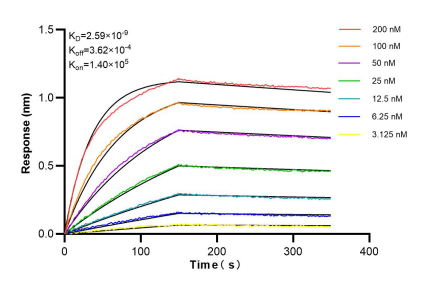
mouse brain tissue were subjected to SDS PAGE followed by western blot with 84761-2-RR (SPTAN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84761-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84761-2-RR (SPTAN1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84761-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 84761-2-RR (SPTAN1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84761-2-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 84761-2-RR against Human SPTAN1 were performed. The affinity constant is 2.59 nM.