

For Research Use Only

SPTAN1 Polyclonal antibody, PBS Only

Catalog Number: 31676-1-PBS

Featured Product



Basic Information

Catalog Number:

31676-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36472

GenBank Accession Number:

NM_003127.3

GeneID (NCBI):

6709

UNIPROT ID:

Q13813

Full Name:

spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)

Calculated MW:

285kDa 2472aa

Observed MW:

285 kDa, 150 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

SPTAN1 (Nonerythroid spectrin all), 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.

Storage Buffer:

PBS only, pH7.3

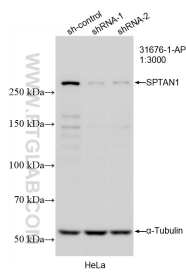
For technical support and original validation data for this product please contact:

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

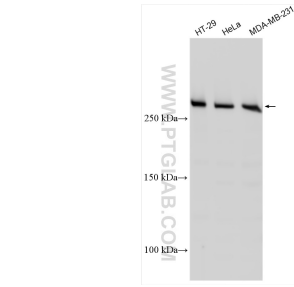
E: proteintech@ptglab.com
W: ptglab.com

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

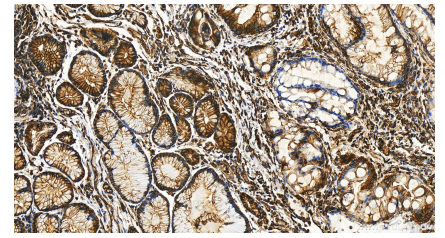
Selected Validation Data



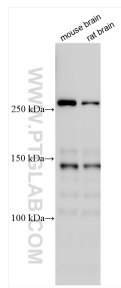
WB result of SPTAN1 antibody (31676-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SPTAN1 transfected HeLa cells. This data was developed using the same antibody clone with 31676-1-PBS in a different storage buffer formulation.



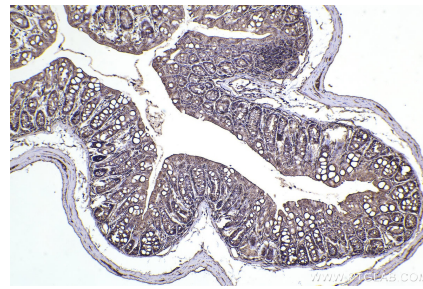
Various lysates were subjected to SDS-PAGE followed by western blot with 31676-1-AP (SPTAN1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31676-1-PBS in a different storage buffer formulation.



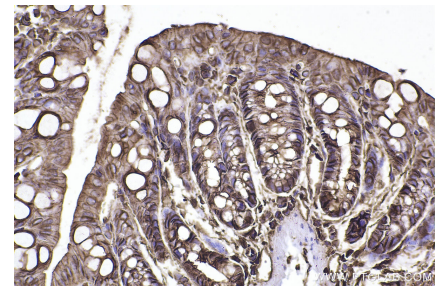
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 31676-1-AP (SPTAN1 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31676-1-PBS in a different storage buffer formulation.



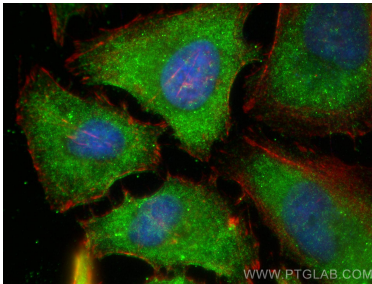
Various lysates were subjected to SDS-PAGE followed by western blot with 31676-1-AP (SPTAN1 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31676-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 31676-1-AP (SPTAN1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31676-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 31676-1-AP (SPTAN1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31676-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SPTAN1 antibody (31676-1-AP) at dilution of 1:200 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 31676-1-PBS in a different storage buffer formulation.