

For Research Use Only

SPTBN1 Polyclonal antibody

Catalog Number: 25681-1-AP



Basic Information

Catalog Number:

25681-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 220 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22459

GenBank Accession Number:

BC137282

GeneID (NCBI):

6711

UNIPROT ID:

Q01082

Full Name:

spectrin, beta, non-erythrocytic 1

Calculated MW:

2364 aa, 275 kDa

Observed MW:

275 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : Caco-2 cells, mouse heart tissue, HEK-293 cells, SH-SY5Y cells

IF/ICC : HEK-293 cells,

Background Information

SPTBN1 is the non-erythrocytic form of β -spectrin or β -fodrin. Spectrins are members of the superfamily of F-actin cross linking proteins that are important as scaffolding proteins for protein sorting, cell adhesion, and migration. Reduced expression of SPTBN1 has been found to correlate with shorter survival of patients with hepatocellular cancer, pancreatic cancer and other malignancies of the gastrointestinal tract, suggesting tumor suppression ability of this protein.

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

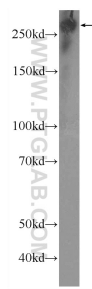
For technical support and original validation data for this product please contact:

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

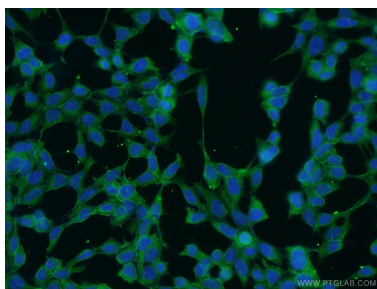
E: proteintech@ptglab.com
W: ptglab.com

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

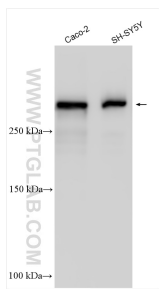
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 25681-1-AP (SPTBN1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HEK-293 cells using 25681-1-AP (SPTBN1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 25681-1-AP (SPTBN1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.