

SPTBN1-Specific Polyclonal antibody

Catalog Number: 19722-1-AP

6 Publications

Basic Information

Catalog Number:

19722-1-AP

Size:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003128

GeneID (NCBI):

6711

UNIPROT ID:

Q01082

Full Name:

spectrin, beta, non-erythrocytic 1

Calculated MW:

275 kDa

Observed MW:

275 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : mouse brain tissue, mouse kidney tissue, mouse lung tissue

IP : HEK-293 cells,

IHC : human liver cancer tissue, human lung tissue, human kidney tissue, human pancreas cancer tissue, human normal colon

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Shuya Yang	33210473	Cancer Med	IF
Xin Li	28361952	Nat Commun	WB, IP
Hongwei Chu	34932315	Anal Chem	WB

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

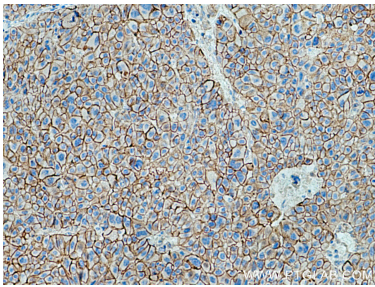
For technical support and original validation data for this product please contact:

T: 4006900926

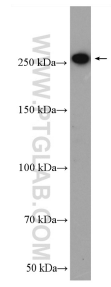
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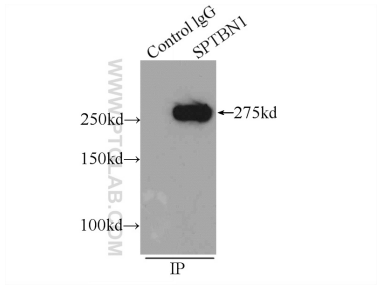
Selected Validation Data



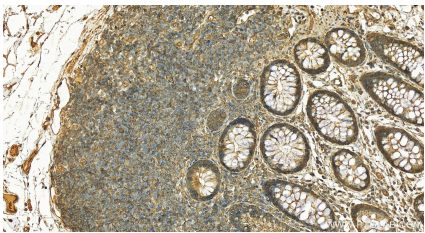
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 19722-1-AP (SPTBN1-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 19722-1-AP (SPTBN1-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-SPTBN1-Specific (IP:19722-1-AP, 5ug; Detection:19722-1-AP 1:600) with HEK-293 cells lysate 1000ug.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 19722-1-AP (SPTBN1-Specific antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).