

For Research Use Only

# SPTBN1-Specific Polyclonal antibody



Catalog Number: 19722-1-AP

6 Publications

## Basic Information

<b>Catalog Number:</b> 19722-1-AP	<b>GenBank Accession Number:</b> NM_003128	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6711	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> spectrin, beta, non-erythrocytic 1	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 275 kDa	
	<b>Observed MW:</b> 275 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, IP, WB	<b>WB :</b> mouse brain tissue, mouse kidney tissue, mouse lung tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> HEK-293 cells,
<b>Cited Species:</b> human, mouse	<b>IHC :</b> human liver cancer tissue, human kidney tissue, human lung tissue, human pancreas cancer tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

SPTBN1 is the non-erythrocytic form of  $\beta$ -spectrin or  $\beta$ -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

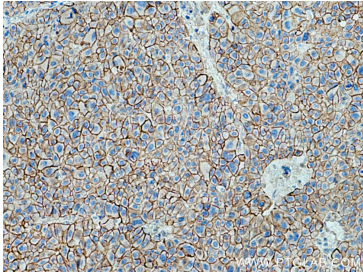
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

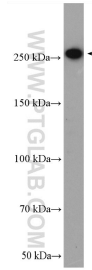
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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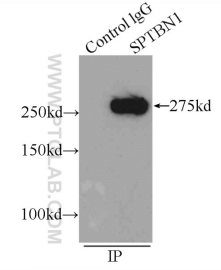
## Selected Validation Data



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.