

SPTBN1 Monoclonal antibody

Catalog Number: 67978-1-Ig 1 Publications

Basic Information

Catalog Number: 67978-1-Ig	GenBank Accession Number: BC137282	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 6711	CloneNo.: 1E1D1
Source: Mouse	UNIPROT ID: Q01082	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: spectrin, beta, non-erythrocytic 1	
Immunogen Catalog Number: AG31713	Calculated MW: 2364 aa, 275 kDa	
	Observed MW: 250-275 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC	WB : HeLa cells, mouse cerebellum tissue, HepG2 cells, Jurkat cells, pig brain, rabbit brain, rat brain, mouse brain, rat cerebellum
Species Specificity: Human, mouse, rat, rabbit, pig	IHC : human liver cancer tissue,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Wenting Tang	37013511	BMC Cancer	IHC

Storage

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

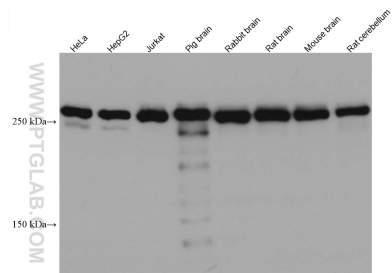
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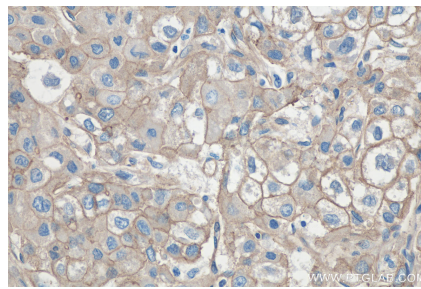
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67978-1-Ig (SPTBN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67978-1-Ig (SPTBN1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).