

For Research Use Only

# SHCBP1 Monoclonal antibody

Catalog Number: 68647-1-Ig



## Basic Information

Catalog Number:	68647-1-Ig	GenBank Accession Number:	BC030699	Purification Method:	Protein G purification
Size:	150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	79801	CloneNo.:	1B2E12
Source:	Mouse	UNIPROT ID:	Q8NEM2	Recommended Dilutions:	WB 1:2000-1:10000 IHC 1:200-1:800 IF/ICC 1:400-1:1600
Isotype:	IgG1	Full Name:	SHC SH2-domain binding protein 1		
Immunogen Catalog Number:	AG17517	Calculated MW:	672 aa, 76 kDa		
		Observed MW:	76 kDa		

## Applications

Tested Applications:  
WB, IHC, IF/ICC, ELISA

Species Specificity:  
human, mouse, rat

**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 : PC-3 cells, U2OS cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

IHC : human liver cancer tissue, human breast cancer tissue

IF/ICC : HEK-293 cells,

## Background Information

SHCBP1 was initially identified as a potential gene associated with cell proliferation in fibroblasts. SHCBP1 exerts a crucial physiological function in normal tissue development. Chen et al. showed that SHCBP1 is an essential component of FGF signaling in neural progenitor cells. SHCBP1 is also upregulated during T cell proliferation and regulates CD4+ T cell effector function in vivo. Recently, SHCBP1 was shown to be closely associated with cancer development.

## Storage

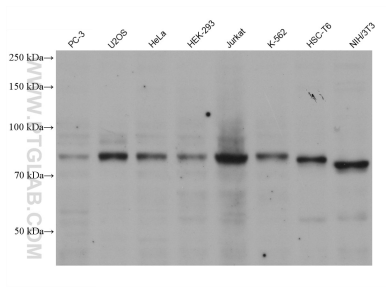
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

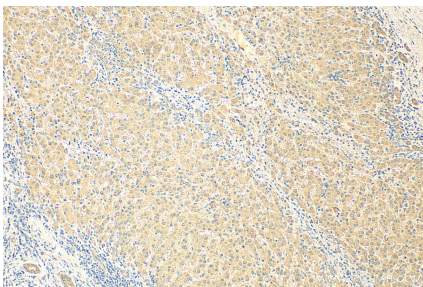
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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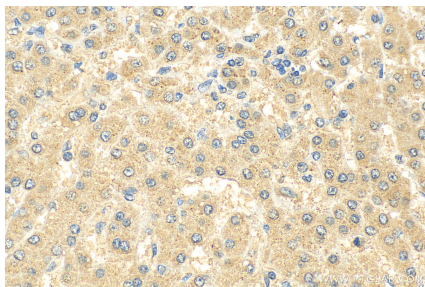
## Selected Validation Data



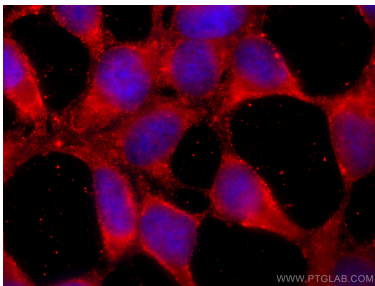
Various lysates were subjected to SDS PAGE followed by western blot with 68647-1-Ig (SHCBP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68647-1-Ig (SHCBP1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68647-1-Ig (SHCBP1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using SHCBP1 antibody (68647-1-Ig, Clone: 1B2E12) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).