

For Research Use Only

# STIP1 Monoclonal antibody, PBS Only

Catalog Number: 68155-1-PBS



## Basic Information

<b>Catalog Number:</b> 68155-1-PBS	<b>GenBank Accession Number:</b> BC002987	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10963	<b>CloneNo.:</b> 1B5H2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P31948	
<b>Isotype:</b> IgG1	<b>Full Name:</b> stress-induced-phosphoprotein 1	
<b>Immunogen Catalog Number:</b> AG7851	<b>Calculated MW:</b> 63 kDa	
	<b>Observed MW:</b> 61 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, FC (Intra), IP, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

STIP1, also named as Hop and NY-REN-11. Its expression is low in the hypothalamus. STIP1 has some isoforms with MW 62 kDa, 68 kDa and 59 kDa. Acts as a co-chaperone for HSP90AA1. Mediates the association of the molecular chaperones HSPA8/HSC70 and HSP90. Probably forms a complex composed of chaperones HSP90 and HSP70, co-chaperones STIP1/HOP, CDC37, PPP5C, PTGES3/p23, TSC1 and client protein TSC2. STIP1 interacts with PACRG, EEF1AKMT3, FLCN, FNIP1 and FNIP2 (PMID:24880080).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

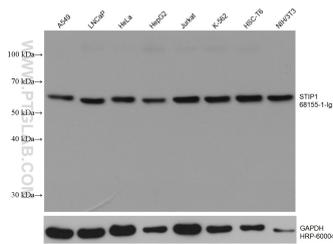
For technical support and original validation data for this product please contact:

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

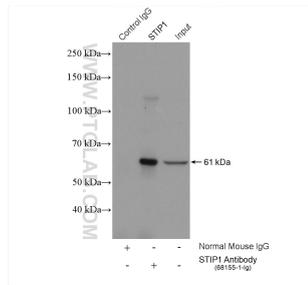
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



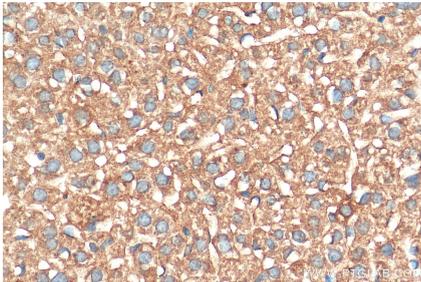
Various lysates were subjected to SDS PAGE followed by western blot with 68155-1-Ig (STIP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68155-1-PBS in a different storage buffer formulation.



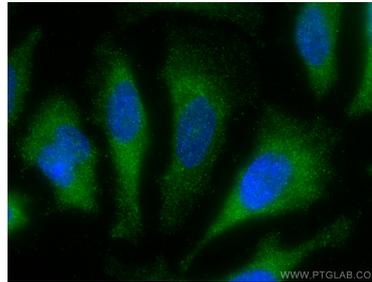
IP result of anti-STIP1 (IP:68155-1-Ig, 5ug; Detection:68155-1-Ig 1:1000) with HeLa cells lysate 1880 ug. This data was developed using the same antibody clone with 68155-1-PBS in a different storage buffer formulation.



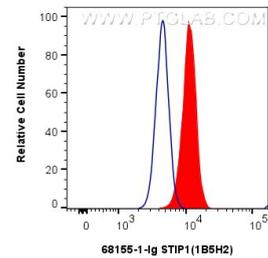
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68155-1-Ig (STIP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68155-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68155-1-Ig (STIP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68155-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using STIP1 antibody (68155-1-Ig, Clone: 1B5H2 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68155-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug STIP1 Monoclonal antibody (68155-1-Ig, Clone:1B5H2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 68155-1-PBS in a

