

For Research Use Only

# STIP1 Polyclonal antibody

Catalog Number: 15218-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 15218-1-AP	<b>GenBank Accession Number:</b> BC002987	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10963	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> stress-induced-phosphoprotein 1	<b>IHC 1:50-1:500</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 63 kDa	
<b>Immunogen Catalog Number:</b> AG7388	<b>Observed MW:</b> 61 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

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

**Cited Species:**  
human, mouse

**Positive Controls:**

**WB:** A431 cells, A549 cells, HepG2 cells, Jurkat cells, HEK-293 cells, HeLa cells

**IP:** Jurkat cells,

**IHC:** human liver cancer tissue,

**IF:** MCF-7 cells,

**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

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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yanwei Wang	25311551	Gene	WB
Xiangjun Guo	31819639	Cancer Manag Res	WB
Lizhi Lin	33665786	Hum Cell	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

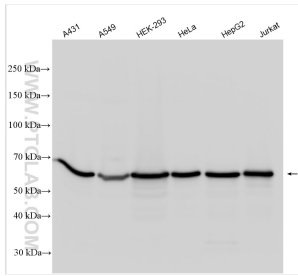
For technical support and original validation data for this product please contact:

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

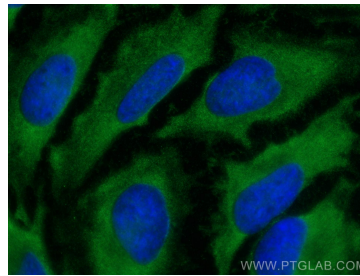
E: proteintech@ptglab.com  
W: ptglab.com

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

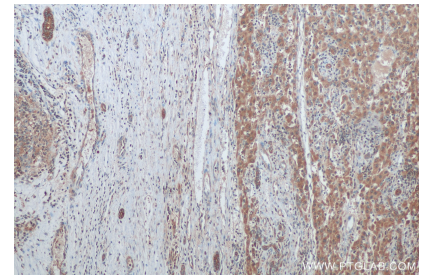
## Selected Validation Data



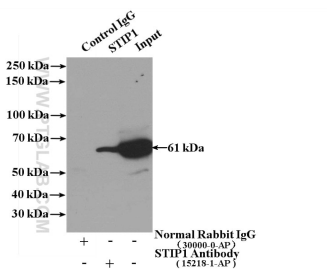
Various lysates were subjected to SDS PAGE followed by western blot with 15218-1-AP (STIP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using STIP1 antibody (15218-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15218-1-AP (STIP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-STIP1 (IP:15218-1-AP, 4ug; Detection:15218-1-AP 1:500) with Jurkat cells lysate 2400ug.