

For Research Use Only

STIP1 Polyclonal antibody

Catalog Number: 15218-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

15218-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7388

GenBank Accession Number:

BC002987

GeneID (NCBI):

10963

UNIPROT ID:

P31948

Full Name:

stress-induced-phosphoprotein 1

Calculated MW:

63 kDa

Observed MW:

61 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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

IP: Jurkat cells,

IHC: human liver cancer tissue, human normal colon

IF/ICC: MCF-7 cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

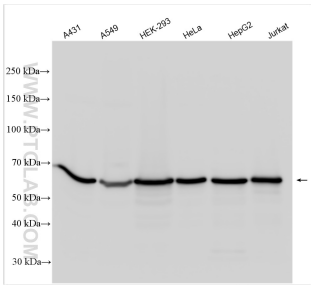
For technical support and original validation data for this product please contact:

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

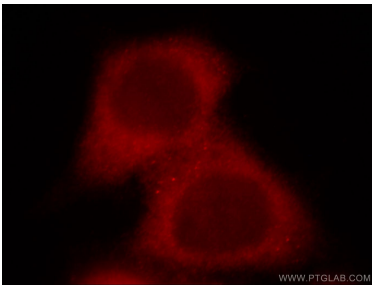
E: proteintech@ptglab.com
W: ptglab.com

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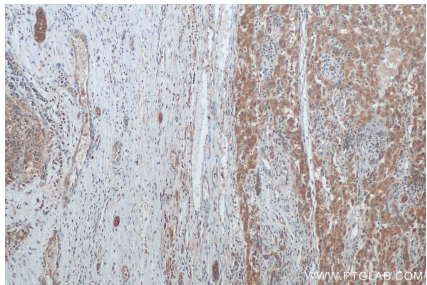
Selected Validation Data



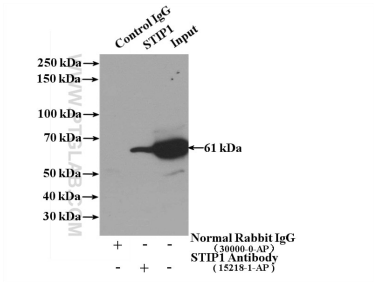
Various lysates were subjected to SDS PAGE followed by western blot with 15218-1-AP (STIP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



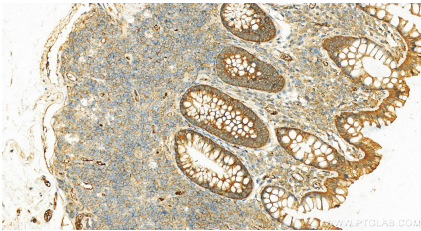
Immunofluorescent analysis of MCF-7 cells, using STIP1 antibody 15218-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 15218-1-AP (STIP1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).