

For Research Use Only

# STRAP Polyclonal antibody

Catalog Number: 18277-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

18277-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13085

### GenBank Accession Number:

BC000162

### GeneID (NCBI):

11171

### UNIPROT ID:

Q9Y3F4

### Full Name:

serine/threonine kinase receptor associated protein

### Calculated MW:

38 kDa

### Observed MW:

39 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:6000

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

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, hamster

### Positive Controls:

WB: HeLa cells, HEK-293 cells, mouse brain tissue, rat brain tissue

IP: HeLa cells,

IHC: human ovary tumor tissue, mouse testis tissue

IF/ICC: HeLa 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

STRAP (Serine-threonine kinase receptor-associated protein), also known as MAWD, is a ubiquitous WD40 domain protein, common function of which is to provide a suitable scaffold for coordinating multiprotein complex assemblies and thus, regulate a variety of cellular processes like signal transduction, transcriptional regulation, programmed cell death and so on. STRAP plays a role in the cellular distribution of the SMN complex, which is essential for spliceosomal snRNP assembly in the cytoplasm. STRAP inhibits transforming growth factor-beta (TGF-beta) signaling and enhances tumorigenicity via TGF-beta-dependent and -independent mechanisms. STRAP is up-regulated in several cancers and functions as an oncogene. STRAP imparts oncogenic characteristics to cells by promoting ERK and pRb phosphorylation. Moreover, STRAP regulates c-Jun stability by decreasing the ubiquitylation and proteosomal degradation of c-Jun.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shanshan Hu	33134183	Front Oncol	WB
Evan P Booy	30247708	Nucleic Acids Res	WB,IP
Muhammad Riaz Khan	29046333	EMBO J	WB,IP

## 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

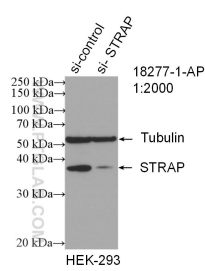
For technical support and original validation data for this product please contact:

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

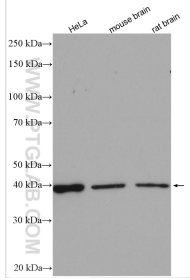
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

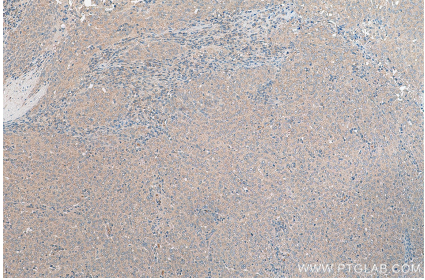
Selected Validation Data



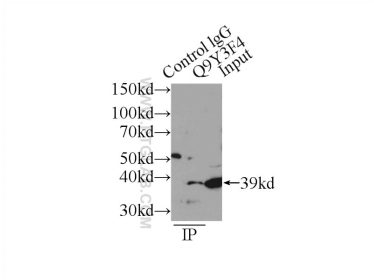
WB result of STRAP antibody (18277-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STRAP transfected HEK-293 cells.



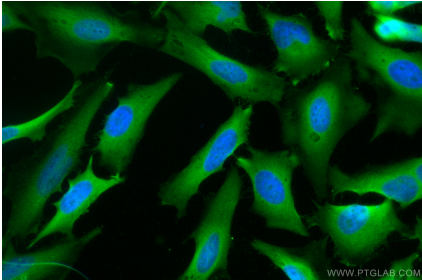
Various lysates were subjected to SDS PAGE followed by western blot with 18277-1-AP (STRAP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 18277-1-AP (STRAP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-STRAP (IP:18277-1-AP, 4ug; Detection:18277-1-AP 1:2000) with HeLa cells lysate 2000ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using STRAP antibody (18277-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).