

For Research Use Only

STRAP Polyclonal antibody

Catalog Number: 18277-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

18277-1-AP

Size:

450 µg/ml

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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:200-1:800

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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: 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

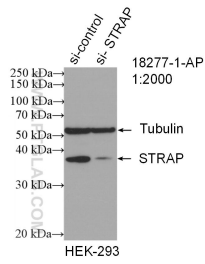
T: 4006900926

E: Proteintech-CN@ptglab.com

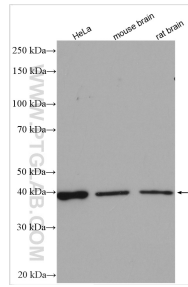
W: ptgcn.com

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

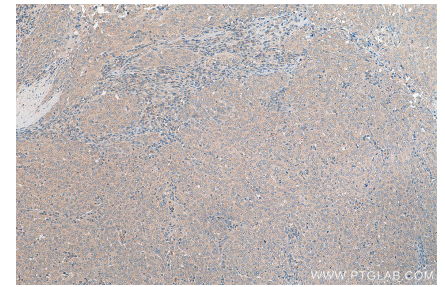
Selected Validation Data



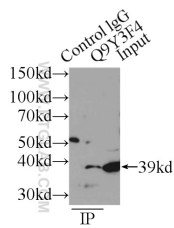
WB result of STRAP antibody (18277-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STRAP transfected HEK-293 cells.



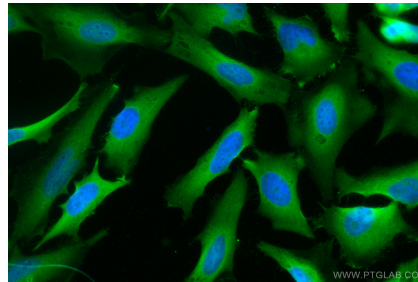
Various lysates were subjected to SDS PAGE followed by western blot with 18277-1-AP (STRAP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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, 4 μ g; Detection:18277-1-AP 1:2000) with HeLa cells lysate 2000 μ g.



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