

For Research Use Only

# STRAP Monoclonal antibody

Catalog Number: 66712-1-Ig

Featured Product

1 Publications



## Basic Information

Catalog Number:

66712-1-Ig

Size:

1300 µg/ml

Source:

Mouse

Isotype:

IgG1

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:

38 kDa

Purification Method:

Protein G purification

CloneNo.:

5E11F3

Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:250-1:1000

IF 1:400-1:1600

## Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

human

**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 : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells

IHC : mouse ovary tissue,

IF : HEK-293 cells,

## 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
Tian-Tian Xu	34504787	Front Oncol	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

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

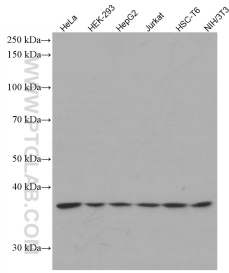
T: 4006900926

E: Proteintech-CN@ptglab.com

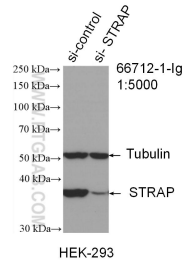
W: ptgcn.com

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

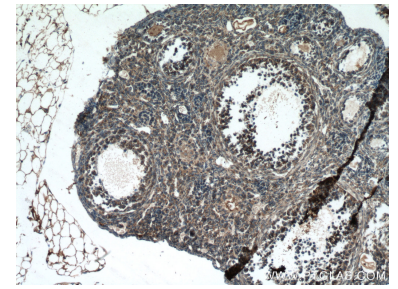
## Selected Validation Data



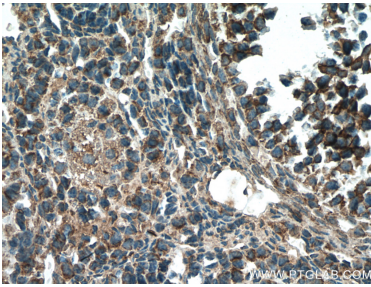
Various lysates were subjected to SDS PAGE followed by western blot with 66712-1-Ig (STRAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



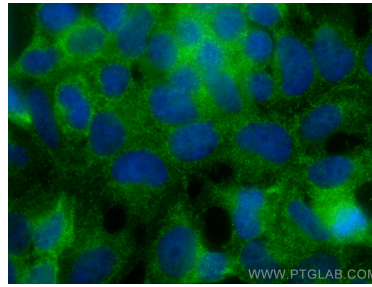
WB result of STRAP antibody (66712-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STRAP transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 66712-1-Ig (STRAP antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 66712-1-Ig (STRAP antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using STRAP antibody (66712-1-Ig, Clone: 5E11F3) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).