

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/ICC 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/ICC : 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 proteasomal 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

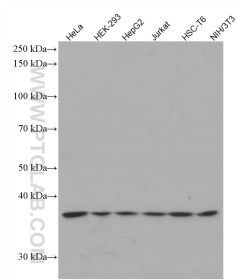
For technical support and original validation data for this product please contact:

T: 4006900926

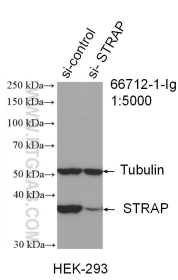
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

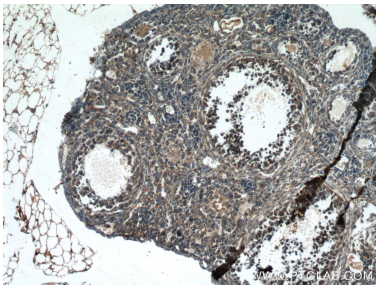
Selected Validation Data



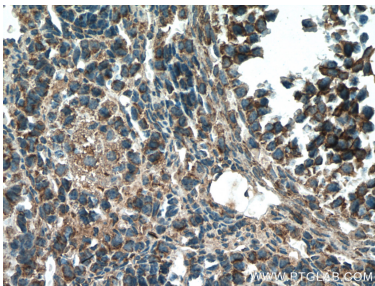
Various lysates were subjected to SDS PAGE followed by western blot with 66712-1-Ig (STRAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



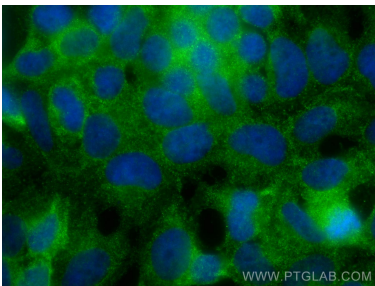
WB result of STRAP antibody (66712-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STRAP transfected HEK-293 cells.



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).