

For Research Use Only

SUPT5H Polyclonal antibody

Catalog Number: 16511-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

16511-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9728

GenBank Accession Number:

BC024203

GeneID (NCBI):

6829

UNIPROT ID:

O00267

Full Name:

suppressor of Ty 5 homolog (S. cerevisiae)

Calculated MW:

1087 aa, 121 kDa

Observed MW:

140-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, 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, HepG2 cells

IP : HeLa cells,

IHC : mouse testis tissue,

IF/ICC : HepG2 cells,

Background Information

SUPT5H, also named as DSIF p160, is a 1087 amino acid protein, which belongs to the SPT5 family. SUPT5H localizes in the nucleus and is ubiquitously expressed. SUPT5H is a component of the DRB sensitivity-inducing factor complex (DSIF complex), which regulates mRNA processing and transcription elongation by RNA polymerase II. SUPT5H is modified through phosphorylation and methylated, so the molecular weight of SUPT5H might be 140-150 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Shibin Hu	34534457	Mol Cell	WB
Jessica R Kelley	39603239	Mol Cell	
Zhenning Wang	39603240	Mol 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

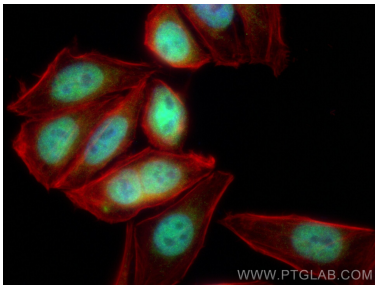
For technical support and original validation data for this product please contact:

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

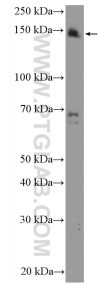
E: proteintech@ptglab.com
W: ptglab.com

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

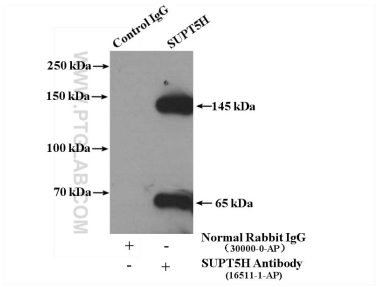
Selected Validation Data



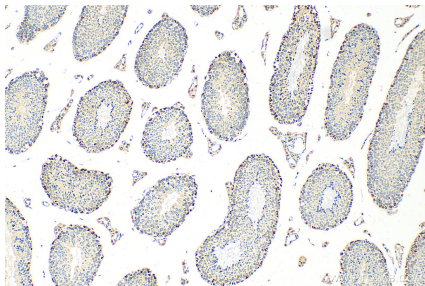
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SUPT5H antibody (16511-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



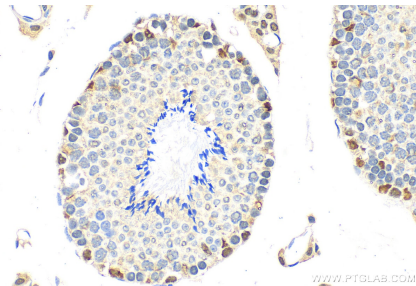
HeLa cells were subjected to SDS PAGE followed by western blot with 16511-1-AP (SUPT5H Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



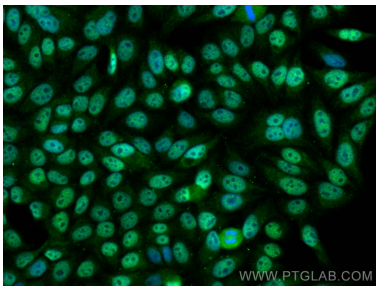
IP result of anti-SUPT5H (IP:16511-1-AP, 4ug; Detection:16511-1-AP 1:500) with HeLa cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 16511-1-AP (SUPT5H 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 testis tissue slide using 16511-1-AP (SUPT5H 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 HepG2 cells using SUPT5H antibody (16511-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).