

For Research Use Only

# SUV39H1 Polyclonal antibody

Catalog Number:10574-1-AP

Featured Product

18 Publications



## Basic Information

### Catalog Number:

10574-1-AP

### Size:

500 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0854

### GenBank Accession Number:

BC006238

### GeneID (NCBI):

6839

### UNIPROT ID:

O43463

### Full Name:

suppressor of variegation 3-9  
homolog 1 (Drosophila)

### Calculated MW:

48 kDa

### Observed MW:

48-50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:12000

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

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, IHC, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : HCT 116 cells, HEK-293 cells, HeLa cells, HepG2  
cells, mouse small intestine tissue, C6 cells, NIH/3T3  
cells

IP : HeLa cells,

## Background Information

Histone-lysine N-methyltransferase (SUV39H1), a nuclear protein, moves to the centromeres during mitosis and specifically trimethylates 'Lys-9' of histone H3 using monomethylated H3 'Lys-9' as substrate. It plays a vital role in heterochromatin organization, chromosome segregation, and mitotic progression. SUV39H1 has 2 isoforms with molecular weights of 48 and 49 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ousman Tamgue	28952292	Asian Pac J Cancer Prev	WB
Yin Zhao	36310139	Adv Sci (Weinh)	WB
Yongqiang Qi	31590696	J Exp Clin Cancer Res	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:

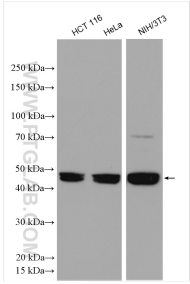
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

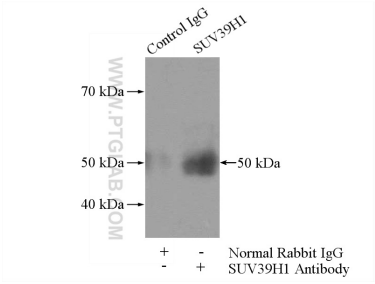
W: [ptgcn.com](http://ptgcn.com)

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 10574-1-AP (SUV39H1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-SUV39H1 (IP:10574-1-AP, 4ug; Detection:10574-1-AP 1:500) with HeLa cells lysate 2800ug.