

For Research Use Only

# SUV39H1 Polyclonal antibody

Catalog Number:10574-1-AP

Featured Product

18 Publications



## Basic Information

### Catalog Number:

10574-1-AP

### Size:

150ul , Concentration: 350 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;

### 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 ug 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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

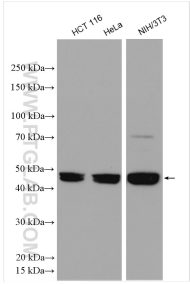
For technical support and original validation data for this product please contact:

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

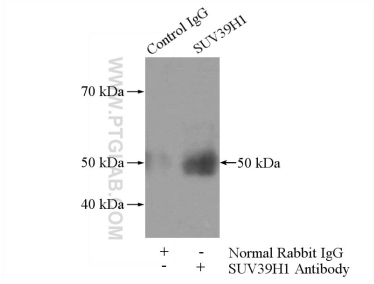
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Selected Validation Data



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.