

For Research Use Only

# SENP3 Polyclonal antibody

Catalog Number: 17659-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

17659-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11911

### GenBank Accession Number:

BC080658

### GeneID (NCBI):

26168

### UNIPROT ID:

Q9H4L4

### Full Name:

SUMO1/sentrin/SMT3 specific peptidase 3

### Calculated MW:

574 aa, 65 kDa

### Observed MW:

65-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IF, IP

### Species Specificity:

human, rat

### Cited Species:

human, mouse, rat

**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, Y79 cells, rat embryo tissue

IP : Y79 cells,

IHC : human ovary cancer tissue,

## Background Information

SENP3(Sentrin-specific protease 3) is also named as SSP3, SUSP3 and belongs to the peptidase C48 family. It acts as an essential factor for ribosome biogenesis. SENP3 might regulate the sumoylation of other substrates through directly binding or mediating association with NPM1 at the nucleolus and other subcellular compartments.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiancai Ma	30652970	Elife	WB
Luyao Shao	31914638	FASEB J	WB,IF
Zhenwei Ma	39239750	Int J 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

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

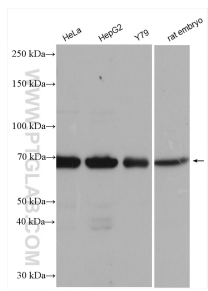
For technical support and original validation data for this product please contact:

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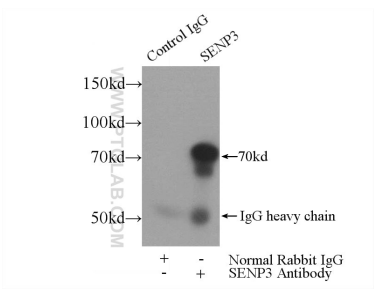
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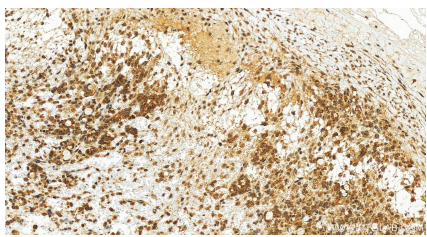
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17659-1-AP (SENP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-SENP3 (IP:17659-1-AP, 4ug; Detection:17659-1-AP 1:500) with Y79 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 17659-1-AP (SENP3 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).