

For Research Use Only

SENP1 Polyclonal antibody

Catalog Number: 25349-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number: 25349-1-AP	GenBank Accession Number: BC045639	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 29843	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
Source: Rabbit	Full Name: SUMO1/sentrin specific peptidase 1	
Isotype: IgG	Calculated MW: 644 aa, 73 kDa	
Immunogen Catalog Number: AG18028	Observed MW: 73-74 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

CoIP, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: HL-60 cells, HeLa cells, HepG2 cells, Jurkat cells, mouse testis tissue, rat testis tissue

IP: Jurkat cells,

IHC: human ovary tissue, human liver tissue, human testis tissue

Background Information

SENP1, Sentrin-specific protease 1, is a cysteine protease that specifically targets members of the small ubiquitin-like modifier (SUMO) protein family. SENP1 catalyzes two functions in the SUMO pathway (PMID: 29506078). The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptides. The second is the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins (PMID: 16253240). SENP1 is located in the nucleus and cytosol.

Notable Publications

Author	Pubmed ID	Journal	Application
Fang Xianjun	34049792	J Pharmacol Sci	WB
Mingyue Zhou	33686713	Cancer Med	WB, IHC
Chunyang Wang	30745829	Int J Biol Sci	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

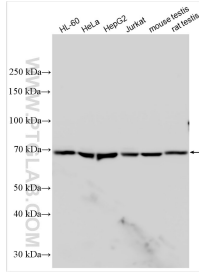
For technical support and original validation data for this product please contact:

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

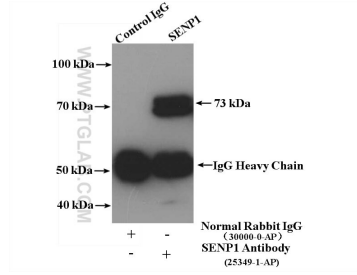
E: proteintech@ptglab.com
W: ptglab.com

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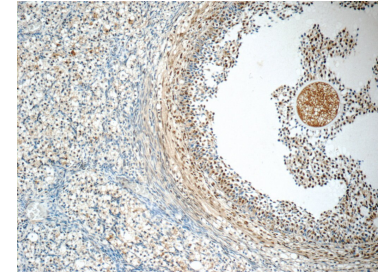
Selected Validation Data



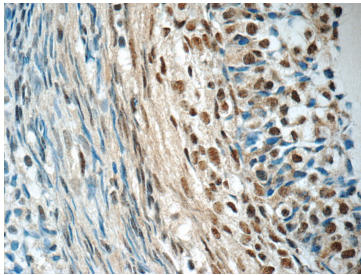
Various lysates were subjected to SDS PAGE followed by western blot with 25349-1-AP (SEN1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP Result of anti-SEN1 (IP:25349-1-AP, 4ug; Detection:25349-1-AP 1:1000) with Jurkat cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human ovary tissue slide using 25349-1-AP (SEN1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tissue slide using 25349-1-AP (SEN1 Antibody) at dilution of 1:50 (under 40x lens).