For Research Use Only

SENP1 Polyclonal antibody

Catalog Number:25349-1-AP Featured Product 13 Publications

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Basic Information

Catalog Number:
25349-1-AP

Size:
450 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18028

GenBank Accession Number:
BC045639

GeneID (NCBI):
29843

Full Name:
SUMO1/sentrin specific peptidase 1

Calculated MW:
644 aa, 73 kDa

Observed MW:
73-74 kDa

Purification Method:
Antigen affinity purification

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

Applications

Tested Applications:
WB, IP, IHC, ELISA

Cited Applications:
WB, IHC, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, 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

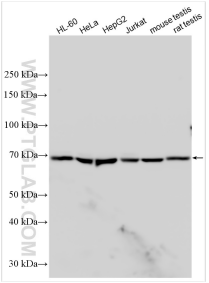
Author	Pubmed ID	Journal	Application
Fang Xianjun	34049792	J Pharmacol Sci	WB
Mingyue Zhou	33686713	Cancer Med	WB, IHC
Chunyang Wang	30745829	Int J Biol Sci	WB

Storage

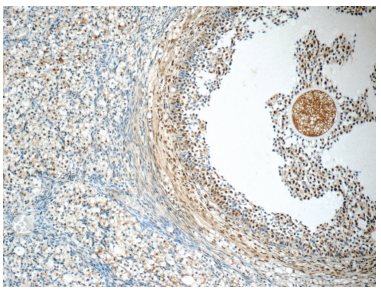
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

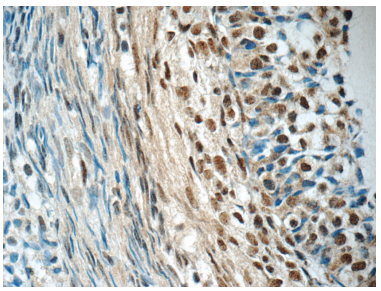
Selected Validation Data



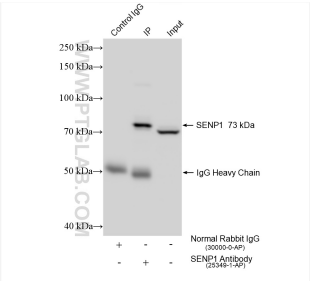
Various lysates were subjected to SDS PAGE followed by western blot with 25349-1-AP (SENP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tissue slide using 25349-1-AP (SENP1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tissue slide using 25349-1-AP (SENP1 Antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-SENP1 (IP:25349-1-AP, 4ug; Detection:25349-1-AP 1:1000) with Jurkat cells lysate 1400 ug.