

For Research Use Only

PSMC3 Polyclonal antibody

Catalog Number: 24142-1-AP 2 Publications



Basic Information

Catalog Number:

24142-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21408

GenBank Accession Number:

BC008713

GeneID (NCBI):

5702

UNIPROT ID:

P17980

Full Name:

proteasome (prosome, macropain)
26S subunit, ATPase, 3

Calculated MW:

49 kDa

Observed MW:

49 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

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: HEK-293 cells, A431 cells, HeLa cells, HepG2 cells, Jurkat cells, MCF-7 cells, T-47D cells

IP: HeLa cells,

IHC: human ovary tumor tissue, human tonsillitis tissue

IF: HEK-293 cells, HepG2 cells

Background Information

PSMC3(26S protease regulatory subunit 6A) is also named as TBP1, Proteasome 26S subunit ATPase 3 and belongs to the AAA ATPase family. The 26S protease is involved in the ATP-dependent degradation of ubiquitinated proteins. It is a multifunctional protein, component of the regulatory subunit of the proteasome, involved in different cellular processes.

Notable Publications

Author	Pubmed ID	Journal	Application
Anna Maria Santoro	31797568	ChemMedChem	WB
Chaojun Yan	37589705	Elife	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:

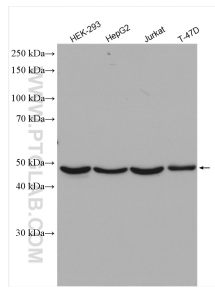
T: 4006900926

E: Proteintech-CN@ptglab.com

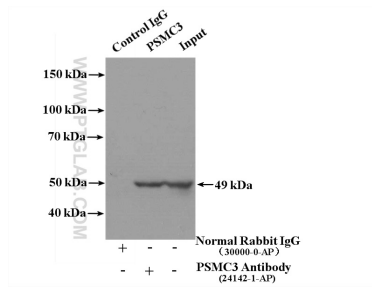
W: ptgcn.com

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

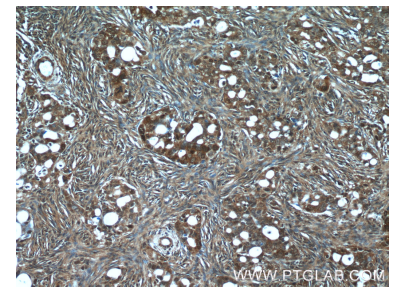
Selected Validation Data



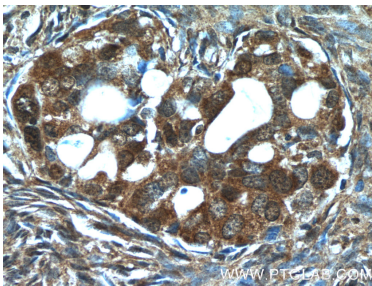
Various lysates were subjected to SDS PAGE followed by western blot with 24142-1-AP (PSMC3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



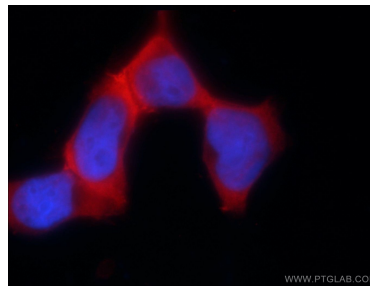
IP result of anti-PSMC3 (IP:24142-1-AP, 4ug; Detection:24142-1-AP 1:800) with HeLa cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 24142-1-AP (PSMC3 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 24142-1-AP (PSMC3 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HEK-293 cells using 24142-1-AP (PSMC3 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.