

For Research Use Only

PSMF1 Polyclonal antibody

Catalog Number:12941-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

12941-1-AP

Concentration:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4011

GenBank Accession Number:

BC029836

GeneID (NCBI):

9491

UNIPROT ID:

Q92530

Full Name:

proteasome (prosome, macropain)
inhibitor subunit 1 (PI31)

Calculated MW:

30 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, human kidney tissue, human heart
tissue, Jurkat cells, Neuro-2a cells

Background Information

PSMF1 is also named as PI31(proteasome (prosome, macropain) inhibitor subunit 1) and belongs to proteasome inhibitor PI31 family. PI31, which localizes at the nuclear envelope/endoplasmic reticulum membrane, acts as a selective modulator of the proteasome-mediated steps in MHC class I antigen processing(PMID:18495667). PI31 does not inhibit cell-surface transport of glycoproteins in general and it may serve to control immunoproteasome formation and may thereby maintain an intracellular balance between constitutive and immunoproteasomes(PMID:12374861).

Notable Publications

Author	Pubmed ID	Journal	Application
Hongli An	28031328	Mol Cell Biol	WB
Sara Carrillo Roas	39879985	Mol Cell	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

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

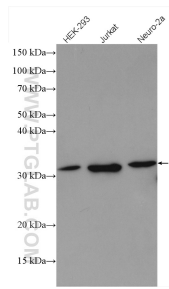
T: 4006900926

E: Proteintech-CN@ptglab.com

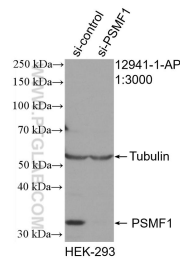
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12941-1-AP (PSMF1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of PSMF1 antibody (12941-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSMF1 transfected HEK-293 cells.