

For Research Use Only

# PSMD11 Polyclonal antibody

Catalog Number: 14786-1-AP

Featured Product

8 Publications



## Basic Information

**Catalog Number:**

14786-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6435

**GenBank Accession Number:**

BC000437

**GeneID (NCBI):**

5717

**UNIPROT ID:**

O00231

**Full Name:**

proteasome (prosome, macropain)  
26S subunit, non-ATPase, 11

**Calculated MW:**

47 kDa

**Observed MW:**

47 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

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

IHC 1:250-1:1000

IF 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**Positive Controls:**

**WB:** HeLa cells, MCF-7 cells, mouse testis tissue, rat brain tissue

**IP:** MCF-7 cells,

**IHC:** human stomach cancer tissue, human lung tissue, rat lung tissue

**IF:** MCF-7 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

The 26 S proteasome is a 2.5-MDa molecular machine that degrades ubiquitinated proteins in eukaryotic cells. It consists of a proteolytic core particle and two 19 S regulatory particles (RPs) composed of 6 ATPase (RPT) and 13 non-ATPase (RPN) subunits. PSMD11 gene encodes 19S proteasome subunit RPN6. Increased levels of PSMD11 and a corresponding increased assembly of the 26S/30S proteasome is correlated with high proteasome activity. In vitro ectopic expression of PSMD11 is sufficient to increase proteasome assembly and activity. Latest research has implicated PSMD11 in regulation of human embryonic stem cells function.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhen Dai	35253427	J Med Chem	WB
Linlin Zhao	33517884	BMC Dev Biol	WB,IF
Vidya Sagar Kesireddy	31431059	FASEB J	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:

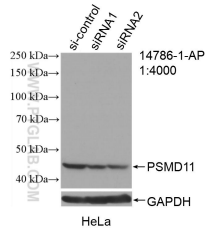
T: 4006900926

E: Proteintech-CN@ptglab.com

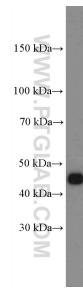
W: ptgcn.com

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

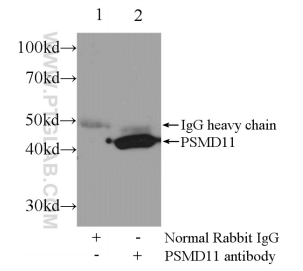
## Selected Validation Data



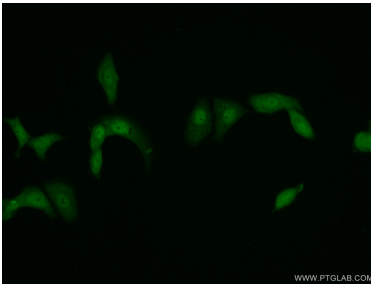
WB result of PSMD11 antibody (14786-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSMD11 transfected HeLa cells.



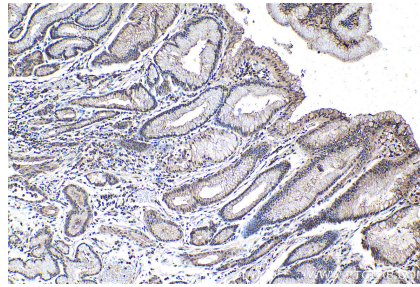
HeLa cells were subjected to SDS PAGE followed by western blot with 14786-1-AP (PSMD11 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



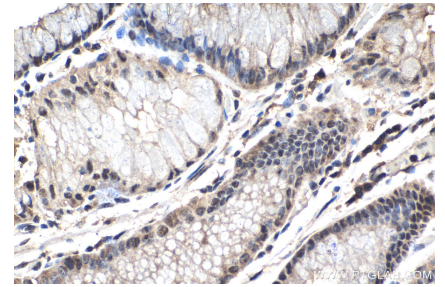
IP result of anti-PSMD11 (IP:14786-1-AP, 3ug; Detection:14786-1-AP 1:500) with MCF-7 cells lysate 2000ug.



Immunofluorescent analysis of MCF-7 cells using 14786-1-AP (PSMD11 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 14786-1-AP (PSMD11 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 14786-1-AP (PSMD11 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).