PSMD11 Polyclonal ANTIBODY  
Catalog Number: 14786-1-AP  

Basic Information

- **Catalog Number:** 14786-1-AP
- **Size:** 35 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** A06435
- **GenBank Accession Number:** BC000437
- **GeneID (NCBI):** 5717
- **Full Name:** proteasome (prosome, macropain) 26S subunit, non-ATPase, 11
- **Calculated MW:** 47 kDa
- **Observed MW:** 47 kDa

Recommended Dilutions:
- **WB:** 1:500-1:2000
- **IP:** 0.5-4.0 μg for IP and 1:500-1:1000 for WB
- **IF:** 1:10-1:100

Applications

- **Tested Applications:** IF, IP, WB, ELISA
- **Cited Applications:** WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** human

Note: 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

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<tr>
<th>Author</th>
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<th>Journal</th>
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<tbody>
<tr>
<td>Lele Wang</td>
<td>29665121</td>
<td>J Cell Biochem</td>
<td>WB</td>
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<tr>
<td>Qi Tong-Gang TG</td>
<td>34105791</td>
<td>Mol Cell Proteomics</td>
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<tr>
<td>Sparks A A</td>
<td>34121268</td>
<td>Oncogene</td>
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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: 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

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.


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).