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Datasheet for ABIN7101547  
**anti-PSMD4/ASF antibody**

2 Images

### Overview

Quantity:	20 µL
Target:	PSMD4/ASF (Psm�4)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PSMD4/ASF antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	A synthesized peptide derived from human PSMD4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	PSMD4/ASF (Psm�4)
Alternative Name:	PSMD4 ( <a href="#">Psm�4 Products</a> )
Background:	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4

## Target Details

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rings of 28 non-identical subunits, 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the non-ATPase subunits of the 19S regulator lid. Pseudogenes have been identified on chromosomes 10 and 21. [provided by RefSeq, Jul 2008],AF, AF-1, ASF, MCB1, Rpn10, S5A, pUB-R5,Cell Biology & Developmental Biology,Epigenetics & Nuclear Signaling,RNA Binding,Ubiquitin,PSMD4

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Molecular Weight: 50 kDa

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Gene ID: 5710

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UniProt: [P55036](#)

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Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#), [Ubiquitin Proteasome Pathway](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000, IF,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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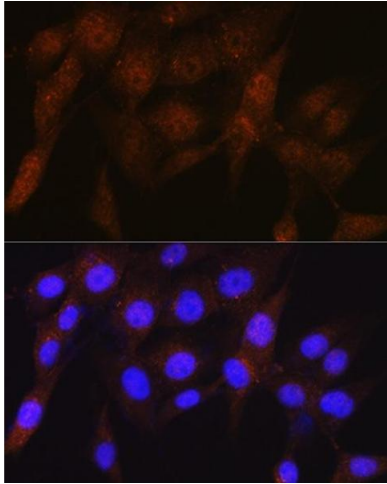
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

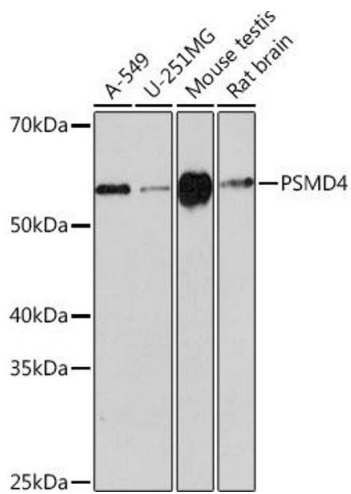
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using PSMD4 Rabbit mAb (ABIN1681255, ABIN3017957, ABIN3017958 and ABIN7101547) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using PSMD4 Rabbit mAb (ABIN1681255, ABIN3017957, ABIN3017958 and ABIN7101547) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.