

Datasheet for ABIN3021330  
**anti-PSMD4/ASF antibody (AA 1-377)**



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5 Images

## Overview

Quantity:	100 µL
Target:	PSMD4/ASF (Psm�4)
Binding Specificity:	AA 1-377
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMD4/ASF antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-377 of human PSMD4 (NP_002801.1).
Sequence:	MVLESTMVCV DNSEYMRNGD FLPTRLQAQQ DAVNIVCHSK TRSNPENNVG LITLANDCEV LTTLTPDTGR ILSKLHTVQP KGKITFCTGI RVAHLALKHR QGKNHKMR II AFVGS PVEDN EKDLVKLAKR LKKEKVNVDI INFGE EEVNT EKLTAFVNTL NGKDG TGS HL VTPPPGPSLA DALISSPILA GEGGAMLGLG ASDFEFGVDP SADPELALAL RVSMEEQRQR QEEEEARRAAA ASAAEAGIAT TGTEDSDDAL LKMTISQ QEF GRTGLPDLSS MTEEEQIAYA MQMSLQGA EF GQAESADIDA SSAMDTSEPA KEEDDYDVMQ DPEFLQSVLE NLPGVDPNNE AIRNAMGSLA SQATKDGKKD KKEEDKK
Isotype:	IgG
Cross-Reactivity:	Human, Monkey, Mouse, Rat

## Product Details

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Characteristics: Polyclonal Antibodies

## Target Details

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Target: PSMD4/ASF (Psm�4)

Alternative Name: PSMD4 ([Psm�4 Products](#))

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 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.,PSMD4,AF,AF-1,ASF,MCB1,Rpn10,S5A,pUB-R5,Epigenetics & Nuclear Signaling,RNA Binding,Cell Biology & Developmental Biology,Ubiquitin,PSMD4

Molecular Weight: 28 kDa/40 kDa

Gene ID: 5710

UniProt: [P55036](#)

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,IP,1:50 - 1:200

Restrictions: For Research Use only

## Handling

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Format: Liquid

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

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

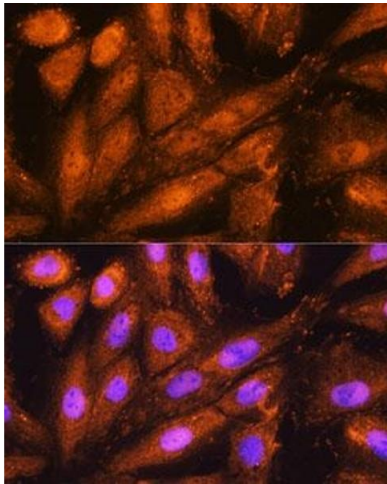
should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C

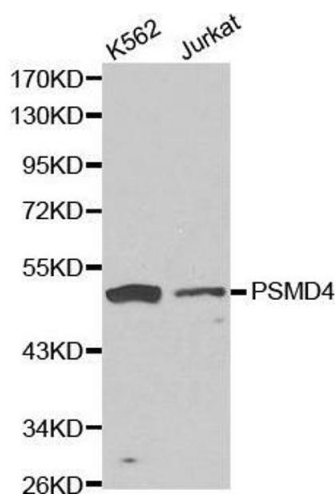
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



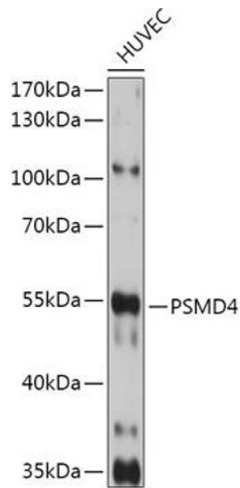
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of H9C2 cells using PSMD4 Rabbit pAb (ABIN3021329, ABIN3021330, ABIN3021331 and ABIN6214913) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of K562 cell and jurkat cell lysate using PSMD4 antibody.



### Western Blotting

**Image 3.** Western blot analysis of extracts of HUVEC cells, using PSMD4 antibody (ABIN3021329, ABIN3021330, ABIN3021331 and ABIN6214913) 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: 90s.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3021330.