

Datasheet for ABIN3015813
anti-PSMD2 antibody (AA 1-260)

6 Images

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Overview

Quantity:	100 µL
Target:	PSMD2
Binding Specificity:	AA 1-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human PSMD2 (NP_002799.3).
Sequence:	MEEGGRDKAP VQPQQSPAAA PGGTDEKPSG KERRDAGDKD KEQELSEEDK QLQDELEMLV ERLGEKDTSL YRPALEELRR QIRSTTSMT SVPKPLKFLR PHYGKLKEIY ENMAPGENKR FAADIISVLA MTMSGERECL KYRLVGSQEE LASWGHEYVR HLAGEVAKEW QELDDAEKVQ REPLTLVKE IVPYNMAHNA EHEACDLLME IEQVDMLEKD IDENAYAKVC LYLTSCVNYV PEPENSALLR CALGVFRKFS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PSMD2
Alternative Name:	PSMD2 (PSMD2 Products)
Background:	<p>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. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. Alternative splicing results in multiple transcript variants of this gene.,PSMD2,P97,RPN1,S2,TRAP2,Cell Biology & Developmental Biology,Ubiquitin,PSMD2</p>
Molecular Weight:	82 kDa/85 kDa/100 kDa
Gene ID:	5708
UniProt:	Q13200
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Ubiquitin Proteasome Pathway

Application Details

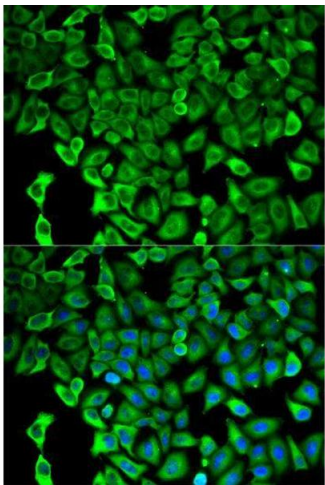
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

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 should be handled by trained staff only.
Storage:	-20 °C

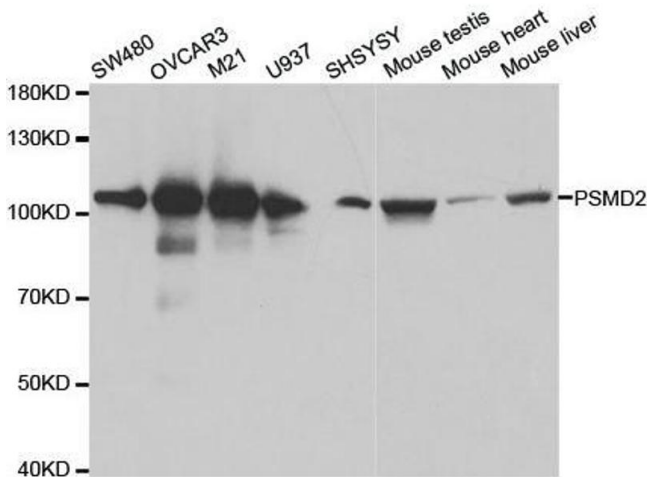
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



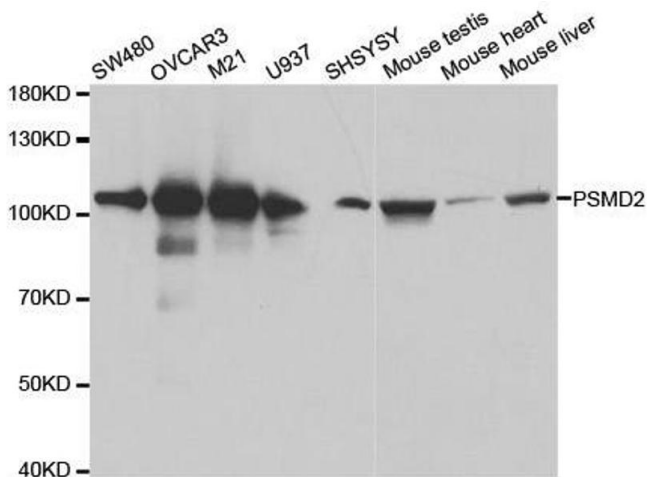
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cell using PSMD2 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PSMD2 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PSMD2 antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3015813.