

Datasheet for ABIN2779578
anti-PSMD4/ASF antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	PSMD4/ASF (Psm4)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Sheep, Cow, Rabbit, Dog, Guinea Pig, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMD4/ASF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PSMD4
Sequence:	VMQDPEFLQS VLENLPGVDP NNEAIRNAMG SLASQATKDG KKDKKEEDKK
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against PSMD4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PSMD4/ASF (Psm4)
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Target Details

Alternative Name:	PSMD4 (Psm�4 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. PSMD4 encodes one of the non-ATPase subunits of the 19S regulator lid.</p> <p>Alias Symbols: AF, ASF, S5A, AF-1, MCB1, Rpn10, pUB-R5</p> <p>Protein Interaction Partner: UBC, cdc20, XPC, SPRTN, PSMD14, MDM2, PSMC2, PSMA1, ADRM1, UBQLN1, TXNL1, PSMD3, PSMD2, PSMD1, PSMC6, PSMC4, PSMC1, UCHL5, RPS12, PSMD8, UBQLN4, VCP, GJA1, DIO2, SCHIP1, FBXO6, PARK2, UL76, FBXO25, LOC100044627, Gm4705, LOC677113, Rps6-ps4, Rpl34-ps1, Rpl</p> <p>Protein Size: 377</p>
Molecular Weight:	41 kDa
Gene ID:	5710
NCBI Accession:	NM_002810 , NP_002801
UniProt:	P55036
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 377 AA
Restrictions:	For Research Use only

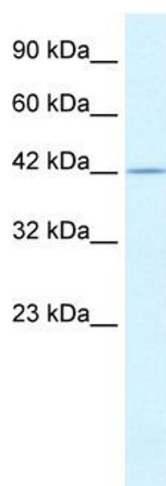
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

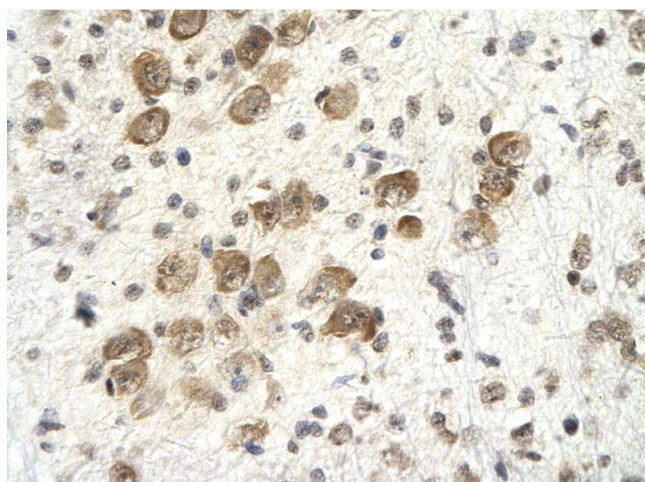
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PSMD4 Antibody Titration: 0.2-1 ug/ml Positive Control: Raji cell lysate PSMD4 is strongly supported by BioGPS gene expression data to be expressed in Human Raji cells



Immunohistochemistry

Image 2. Rabbit Anti-PSMD4 Antibody Paraffin Embedded Tissue: Human renal cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X