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# anti-PSMD12 antibody (Middle Region)

2 Images



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Overview		
Quantity:	100 μL	
Target:	PSMD12	
Binding Specificity:	Middle Region	
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Zebrafish (Danio rerio), Rabbit	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This PSMD12 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PSMD12	
Sequence:	KYKDLLKLFT TMELMRWSTL VEDYGMELRK GSLESPATDV FGSTEEGEKR	
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%, Zebrafish: 85%	
Characteristics:	This is a rabbit polyclonal antibody against PSMD12. It was validated on Western Blot using a cell lysate as a positive control.	

### **Target Details**

Purification:

Target: PSMD12

Affinity Purified

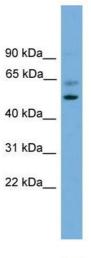
## Target Details

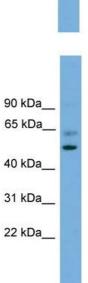
Alternative Name:	PSMD12 (PSMD12 Products)		
Background:	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure		
zacingi caria.	composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4		
	rings of 28 non-identical subunits, 2 rings are 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 a non-ATPase subunit of the 19S regulator. A		
	pseudogene has been identified on chromosome 3.		
	Alias Symbols: MGC75406, p55, Rpn5		
	Protein Interaction Partner: FUS, HUWE1, SUMO2, UBC, PSMD14, RNF2, KIAA0368, HNRNPA0,		
	TXNL1, SQSTM1, PSMD11, PSMD3, PSMD1, PSMC6, PSMC5, PSMC4, PSMC2, PSMC1, FLNC,		
	FLNB, KCMF1, PARK2, BAG3, RNF11, NPM1, NOS2, PSMD6, PSMD13, PSMD7, UGGT1, PSME3		
	USP14, PSME1, PSMD10, PSMD8, PSMD4, PSM		
	Protein Size: 456		
Molecular Weight:	53 kDa		
Gene ID:	5718		
NCBI Accession:	NM_002816, NP_002807		
UniProt:	Q5RBI3		
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: 456 AA		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	Lot specific		

#### Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % 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-PSMD12 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:62500

Positive Control: Hela cell lysate

#### **Western Blotting**

Image 2. WB Suggested Anti-PSMD12

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500

Positive Control: Hela cell lysate

PSMD12 is supported by BioGPS gene expression data to

be expressed in HeLa