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anti-PSMD12 antibody (N-Term)

Images



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Quantity:	100 μL	
Target:	PSMD12	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse	
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 N terminal region of human PSMD12	
Sequence:		
	MADGGSERAD GRIVKMEVDY SATVDQRLPE CAKLAKEGRL QEVIETLLSL	
Predicted Reactivity:	MADGGSERAD GRIVKMEVDY SATVDQRLPE CAKLAKEGRL QEVIETLLSL Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%	
Predicted Reactivity: Characteristics:		
	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%	
Characteristics:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100% This is a rabbit polyclonal antibody against PSMD12. It was validated on Western Blot.	
Characteristics: Purification:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100% This is a rabbit polyclonal antibody against PSMD12. It was validated on Western Blot.	

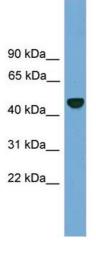
Target Details		
Background:	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure	
	composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4	
	rings of 28 non-identical subunits, 2 rings are composed of 7 alpha subunits and 2 rings are	
	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 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:	50 kDa	
Gene ID:	5718	
NCBI Accession:	NM_002816, NP_002807	
UniProt:	000232	
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	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	

sucrose.

Handling

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

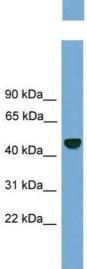
Image 1. WB Suggested Anti-PSMD12

Antibody Titration: 0.2-1 µg/mL

Positive Control: HCT15 cell lysate

PSMD12 is supported by BioGPS gene expression data to

be expressed in HCT15



Western Blotting

Image 2. WB Suggested Anti-PSMD12 Antibody Titration:

0.2-1 ug/ml

Positive Control: HCT15 cell lysate