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Zuschläge

- Mindermengenzuschlag
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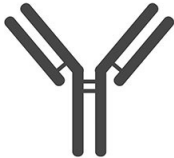
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Product Number	ARP58060_P050-HRP
Product Page	www.avivasysbio.com/psmd4-antibody-n-terminal-region-hrp-arp58060-p050-hrp.html
Name	PSMD4 Antibody - N-terminal region : HRP (ARP58060_P050-HRP)
Protein Size (# AA)	377 amino acids
Molecular Weight	41kDa
Subunit	4
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	5710
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
Alias Symbols	AF, ASF, S5A, AF-1, MCB1, Rpn10, pUB-R5
Peptide Sequence	Synthetic peptide located within the following region: VLESTMVCVDNSEYMRNGDFLPTRLQAQQDAVNIVCHSKTRSNPENNVGL
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Elangovan,M., (2007) Biochem Biophys. Res. Commun. 364 (2), 226-230
Description of Target	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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	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
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PSMD4 (ARP58060_P050-HRP) antibody
Blocking Peptide	For anti-PSMD4 (ARP58060_P050-HRP) antibody is Catalog # AAP58060 (Previous Catalog # AAPP32483)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PSMD4
Uniprot ID	P55036

Protein Name	26S proteasome non-ATPase regulatory subunit 4
Publications	Ghi, P., Di Brisco, F., Dallorto, D., Osella, M. C. & Orsetti, M. Age-related modifications of egr1 expression and ubiquitin-proteasome components in pet dog hippocampus. Mech. Ageing Dev. 130, 320-7 (2009). WB, Human, Sheep, Zebrafish, Horse, Rabbit, Dog, Rat, Guinea pig, Mouse, Bovine, Yeast 19428450
Sample Type Confirmation	PSMD4 is supported by BioGPS gene expression data to be expressed in Jurkat
Protein Accession #	NP_002801
Purification	Affinity Purified
Nucleotide Accession #	NM_002810
Gene Symbol	PSMD4
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Yeast, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Yeast: 92%; Zebrafish: 100%
Image 1	

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