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Zuschläge

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Product Number	ARP58177_P050-HRP
Product Page	www.avivasysbio.com/psmc3-antibody-n-terminal-region-hrp-arp58177-p050-hrp.html
Name	PSMC3 Antibody - N-terminal region : HRP (ARP58177_P050-HRP)
Protein Size (# AA)	439 amino acids
Molecular Weight	49kDa
Subunit	6A
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	5702
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) 26S subunit, ATPase, 3
Alias Symbols	RPT5, TBP1
Peptide Sequence	Synthetic peptide located within the following region: KIKENSEKIKVNK TLPYLVSNVIELLDVDPNDQEEEDGANIDLDSQRKGKGC
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Pollice,A., (2007) Oncogene 26 (35), 5154-5162
Description of Target	<p>PSMC3 is a subunit of the 26S proteasome. 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 ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. 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 ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9. 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.</p>
Protein Interactions	AMOTL2; UBC; PSMD9; PSMC6; PSMC3; KDM1A; HUWE1; SUMO2; PSMD14; MDM2; ASB11; UCHL5; PSMD3; PSMD2; PSMD1; PSMC2; PSMC1; ADRM1; JKAMP; FBXO6; PARK2; BAG3; GADD45A; NOS2; MYC; PSMD13; PSMC4; PSMA8; UBF1; ECD; STIP1; RANBP9; PSMD6; ZFYVE16; USP14; RUVBL1; PSM
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-PSMC3 (ARP58177_P050-HRP) antibody

Blocking Peptide	For anti-PSMC3 (ARP58177_P050-HRP) antibody is Catalog# AAP58177 (Previous Catalog# AAPP32629)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PSMC3
Uniprot ID	P17980
Protein Name	26S protease regulatory subunit 6A
Protein Accession #	NP_002795
Purification	Affinity Purified
Nucleotide Accession #	NM_002804
Gene Symbol	PSMC3
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, 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%; Yeast: 100%; Zebrafish: 100%
Image 1	

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Optimal conditions of its use should be determined by end users.

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