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Zuschläge

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Product Number	ARP58519_P050-Biotin
Product Page	www.avivasysbio.com/psme1-antibody-middle-region-biotin-arp58519-p050-biotin.html
Name	PSME1 Antibody - middle region : Biotin (ARP58519_P050-Biotin)
Protein Size (# AA)	250 amino acids
Molecular Weight	28kDa
Subunit	1
Conjugation	Biotin
NCBI Gene Id	5720
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
Alias Symbols	PA28A, IFI5111, REGalpha, PA28alpha, HEL-S-129m
Peptide Sequence	Synthetic peptide located within the following region: KEKEERKKQKEKEDKDEKKKGEDEDKGPPCGPVNCNEKIVVLLQRLKPEI
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Lemaire,R., (2007) J. Proteome Res. 6 (11), 4127-4134
Description of Target	<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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the alpha subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Two transcripts encoding different isoforms have been identified. 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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the alpha subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Two transcripts encoding different isoforms have been identified.</p>
Protein Interactions	HUWE1; PSME1; NAA10; PSMD14; SHFM1; UBC; PSME2; ADRM1; PSMA1; KIF5B; PARK2; BAG3; UBL7; PSRC1; PARVB; PHPT1; PRDX3; NUBP2; USP5; RBBP6; PSMD12; PSMD1; PSMC4; PSMC2; PSMB3; PSMB2; PSMB1; PSMA7; PSMA6; PSMA3; APP; OXCT1; CSE1L; GRB2; UBD; PSMD6; TUBG1; PSMB
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-PSME1 (ARP58519_P050-Biotin) antibody
Blocking Peptide	For anti-PSME1 (ARP58519_P050-Biotin) antibody is Catalog # AAP58519 (Previous Catalog # AAPP34822)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PSME1
Uniprot ID	Q06323
Protein Name	Proteasome activator complex subunit 1
Protein Accession #	NP_788955
Purification	Affinity Purified
Nucleotide Accession #	NM_176783
Gene Symbol	PSME1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Pig, Rabbit, Yeast
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 93%; Rat: 93%; Yeast: 83%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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

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