



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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<b>Product Number</b>	ARP58519_P050-HRP
<b>Product Page</b>	<a href="http://www.avivasysbio.com/psme1-antibody-middle-region-hrp-arp58519-p050-hrp.html">www.avivasysbio.com/psme1-antibody-middle-region-hrp-arp58519-p050-hrp.html</a>
<b>Name</b>	PSME1 Antibody - middle region : HRP (ARP58519_P050-HRP)
<b>Protein Size (# AA)</b>	250 amino acids
<b>Molecular Weight</b>	28kDa
<b>Subunit</b>	1
<b>Conjugation</b>	HRP: Horseradish Peroxidase
<b>NCBI Gene Id</b>	5720
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	0.5 mg/ml
<b>Gene Full Name</b>	Proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
<b>Alias Symbols</b>	PA28A, IFI5111, REGalpha, PA28alpha, HEL-S-129m
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">KEKEERKKQKEKEDKDEKKKGEDEDKGPPCGPVCNEKIVVLLQRLKPEI</a>
<b>Product Format</b>	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
<b>Reference</b>	Lemaire, R., (2007) J. Proteome Res. 6 (11), 4127-4134
<b>Description of Target</b>	<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>
<b>Protein Interactions</b>	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
<b>Reconstitution and Storage</b>	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.

<b>Datasheets/Manuals</b>	Printable datasheet for <a href="#">anti-PSME1 (ARP58519_P050-HRP) antibody</a>
<b>Blocking Peptide</b>	For anti-PSME1 (ARP58519_P050-HRP) antibody is <a href="#">Catalog # AAP58519</a> (Previous Catalog # AAPP34822)
<b>Immunogen</b>	The immunogen is a synthetic peptide directed towards the middle region of human PSME1
<b>Uniprot ID</b>	<a href="#">Q06323</a>
<b>Protein Name</b>	Proteasome activator complex subunit 1
<b>Protein Accession #</b>	<a href="#">NP_788955</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_176783</a>
<b>Gene Symbol</b>	<a href="#">PSME1</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Pig, Rabbit, Yeast
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 93%; Rat: 93%; Yeast: 83%
<b>Image 1</b>	

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

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