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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP57743_P050-HRP
Product Page	www.avivasysbio.com/psma3-antibody-middle-region-hrp-arp57743-p050-hrp.html
Name	PSMA3 Antibody - middle region : HRP (ARP57743_P050-HRP)
Protein Size (# AA)	248 amino acids
Molecular Weight	28kDa
Subunit	alpha type-3
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	5684
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) subunit, alpha type, 3
Alias Symbols	HC8, PSC3
Peptide Sequence	Synthetic peptide located within the following region: VKDKAFELELSWVGELTNGRHEIVPKDIREEAEKYAKESLKEEDESDDDDN
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Olsen, J.V., (2006) Cell 127 (3), 635-648
Description of Target	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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. PSMA3 is a member of the peptidase T1A family, that is a 20S core alpha subunit. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 member of the peptidase T1A family, that is a 20S core alpha subunit. Two alternative transcripts encoding different isoforms have been identified.
Protein Interactions	SF1; STX4; SNRPC; SNRPB; RAB31L1; PSMB4; PSMA6; PSMA3; PSMA1; NPPB; CTAGE5; LETM1; LASP1; KRAS; NPBWR2; GATA3; GATA2; CYBA; CST2; CDK6; ATP6V0C; DMC1; SLMO1; BTN2A2; STX6; SERF2; HUWE1; APLN; C1QTNF9B-AS1; C9orf106; KRTAP26-1; KRTAP19-5; KRTAP8-1; RTP5; R
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-PSMA3 (ARP57743_P050-HRP) antibody
Blocking Peptide	For anti-PSMA3 (ARP57743_P050-HRP) antibody is Catalog # AAP57743 (Previous Catalog # AAPP35446)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PSMA3
Uniprot ID	P25788-2
Protein Name	Proteasome subunit alpha type-3
Sample Type Confirmation	PSMA3 is supported by BioGPS gene expression data to be expressed in 721_B, HeLa

Protein Accession #	NP_687033
Purification	Affinity Purified
Nucleotide Accession #	NM_152132
Gene Symbol	PSMA3
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: 90%; Zebrafish: 79%
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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6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com