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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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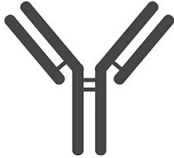
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Product Number	ARP56453_P050-Biotin
Product Page	www.avivasysbio.com/psma2-antibody-n-terminal-region-biotin-arp56453-p050-biotin.html
Name	PSMA2 Antibody - N-terminal region : Biotin (ARP56453_P050-Biotin)
Protein Size (# AA)	234 amino acids
Molecular Weight	26kDa
Subunit	alpha type-2
Conjugation	Biotin
NCBI Gene Id	5683
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) subunit, alpha type, 2
Alias Symbols	MU, HC3, PSC2, PMSA2
Peptide Sequence	Synthetic peptide located within the following region: VGIKAANGVVLATEKKQKSILYDERSVHKVEPITKHIGLVYSGMGPDYRV
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Ewing,R.M., Mol. Syst. Biol. 3, 89 (2007)
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. PSMA2 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. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. 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	HUWE1; UBC; PSMD14; MDM2; ASB11; POMP; PSMG3; PSMG1; PSME4; KIF5B; SMEK1; PSMB8; PSMB7; PSMB6; PSMB5; PSMB4; PSMB3; PSMB2; PSMB1; PSMA7; PSMA6; PSMA5; PSMA4; PSMA3; PSMA1; PARK2; BAG3; FBXW4; IQCB1; HOMER3; FN1; NOS2; PSMB10; PSMB9; PSMA2; PR39; PSMD13; P
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-PSMA2 (ARP56453_P050-Biotin) antibody
Blocking Peptide	For anti-PSMA2 (ARP56453_P050-Biotin) antibody is Catalog # AAP56453 (Previous Catalog # AAPP34311)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PSMA2
Uniprot ID	P25787
Protein Name	Proteasome subunit alpha type-2

Sample Type Confirmation	PSMA2 is strongly supported by BioGPS gene expression data to be expressed in 721_B There is BioGPS gene expression data showing that PSMA2 is expressed in HEK293T, Jurkat, MCF7 PSMA2 is supported by BioGPS gene expression data to be expres
Protein Accession #	NP_002778
Purification	Affinity Purified
Nucleotide Accession #	NM_002787
Gene Symbol	PSMA2
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, 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%; Zebrafish: 93%
Image 1	

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

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