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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP57840_P050-Biotin
Product Page	www.avivasysbio.com/psmd12-antibody-middle-region-biotin-arp57840-p050-biotin.html
Name	PSMD12 Antibody - middle region : Biotin (ARP57840_P050-Biotin)
Protein Size (# AA)	456 amino acids
Molecular Weight	53
Subunit	12
Conjugation	Biotin
NCBI Gene Id	5718
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 12
Alias Symbols	p55, Rpn5, STISS
Peptide Sequence	Synthetic peptide located within the following region: KYKDLLKLFITMELMRWSTLVEDYGMELRKGSLESPATDVFVGSTEEGEKR
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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 a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 3.
Protein Interactions	FUS; HUWE1; SUMO2; UBC; PSMD14; RNF2; KIAA0368; HNRNPA0; TXNL1; SQSTM1; PSMD11; PSMD3; PSMD1; PSMC6; PSMC5; PSMC4; PSMC2; PSMC1; FLNC; FLNB; KCMF1; PARK2; BAG3; RNF11; NPM1; NOS2; PSMD6; PSMD13; PSMD7; UGGT1; PSME3; USP14; PSME1; PSMD10; PSMD8; PSMD4; 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-PSMD12 (ARP57840_P050-Biotin) antibody
Blocking Peptide	For anti-PSMD12 (ARP57840_P050-Biotin) antibody is Catalog # AAP57840 (Previous Catalog # AAPP43110)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PSMD12
Uniprot ID	Q5RBI3
Protein Name	26S proteasome non-ATPase regulatory subunit 12
Sample Type Confirmation	PSMD12 is supported by BioGPS gene expression data to be expressed in HeLa
Protein Accession #	NP_002807
Purification	Affinity Purified
Nucleotide Accession #	NM_002816
Gene Symbol	PSMD12

Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 93%; Zebrafish: 85%
Image 1	

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

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