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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	ARP56485_P050-Biotin
Product Page	www.avivasysbio.com/psme2-antibody-middle-region-biotin-arp56485-p050-biotin.html
Name	PSME2 Antibody - middle region : Biotin (ARP56485_P050-Biotin)
Protein Size (# AA)	239 amino acids
Molecular Weight	27kDa
Subunit	2
Conjugation	Biotin
NCBI Gene Id	5721
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) activator subunit 2 (PA28 beta)
Alias Symbols	PA28B, REGbeta, PA28beta
Peptide Sequence	Synthetic peptide located within the following region: QEKVLERVNAVTKVEAFQTTISKYFSERGDAVAKASKETHVMDYRALVH
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. 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 beta subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three beta and three alpha subunits combine to form a heterohexameric ring. Six pseudogenes have been identified on chromosomes 4, 5, 8, 10 and 13.
Protein Interactions	NAA10; PSMD14; SHFM1; UBC; PSME2; PSME1; PARK2; BAG3; NHLH1; MYOD1; EPHA2; CFTR; DDTL; TNN; CAP1; PTMA; PSMD7; PSMD2; PSMD1; PSMC5; PSMC4; PSMC2; PSMB5; PSMB3; PSMB1; PSMA6; PSMA5; PSMA3; PSMA2; PSMA1; GARS; APP; PSMC1; PSMD6; PSMB10; PSMB9; PSMB8; PSMB7;
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-PSME2 (ARP56485_P050-Biotin) antibody
Blocking Peptide	For anti-PSME2 (ARP56485_P050-Biotin) antibody is Catalog # AAP56485 (Previous Catalog # AAPP38940)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PSME2
Uniprot ID	Q9UL46
Protein Name	Proteasome activator complex subunit 2
Protein Accession #	NP_002809
Purification	Affinity Purified
Nucleotide Accession #	NM_002818

Gene Symbol	PSME2
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%; Zebrafish: 79%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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

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