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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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|-----------------------------------|---|
| Product Number | ARP58175_P050-FITC |
| Product Page | www.avivasysbio.com/psmc3-antibody-n-terminal-region-fitc-arp58175-p050-fitc.html |
| Name | PSMC3 Antibody - N-terminal region : FITC (ARP58175_P050-FITC) |
| Protein Size (# AA) | 439 amino acids |
| Molecular Weight | 49kDa |
| Subunit | 6A |
| Conjugation | FITC: Fluorescein Isothiocyanate |
| NCBI Gene Id | 5702 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Gene Full Name | Proteasome (prosome, macropain) 26S subunit, ATPase, 3 |
| Alias Symbols | RPT5, TBP1 |
| Peptide Sequence | Synthetic peptide located within the following region: IQIWVRQHPESGEEAVALVEDLQKEPGRQRLEPCLMWLWEFLQRRAGVA |
| Product Format | Liquid. Purified antibody supplied in 1x PBS buffer. |
| Reference | Pollice,A., (2007) Oncogene 26 (35), 5154-5162 |
| Description of Target | <p>PSMC3 is a subunit of the 26S proteasome. 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 one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. 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 one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9. 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.</p> |
| Protein Interactions | AMOTL2; UBC; PSMD9; PSMC6; PSMC3; KDM1A; HUWE1; SUMO2; PSMD14; MDM2; ASB11; UCHL5; PSMD3; PSMD2; PSMD1; PSMC2; PSMC1; ADRM1; JKAMP; FBXO6; PARK2; BAG3; GADD45A; NOS2; MYC; PSMD13; PSMC4; PSMA8; UBF1; ECD; STIP1; RANBP9; PSMD6; ZFYVE16; USP14; RUVBL1; 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-PSMC3 (ARP58175_P050-FITC) antibody |

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| Blocking Peptide | For anti-PSMC3 (ARP58175_P050-FITC) antibody is Catalog # AAP58175 (Previous Catalog # AAPP32627) |
| Immunogen | The immunogen is a synthetic peptide directed towards the N terminal region of human PSMC3 |
| Uniprot ID | P17980 |
| Protein Name | 26S protease regulatory subunit 6A |
| Protein Accession # | NP_002795 |
| Purification | Affinity Purified |
| Nucleotide Accession # | NM_002804 |
| Gene Symbol | PSMC3 |
| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, 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%; Zebrafish: 100% |
| Image 1 |  |

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