

## Rabbit anti-Human, Mouse PSMB3 Polyclonal Antibody | anti-PSMB3 antibody

PSMB3 Antibody (Center)

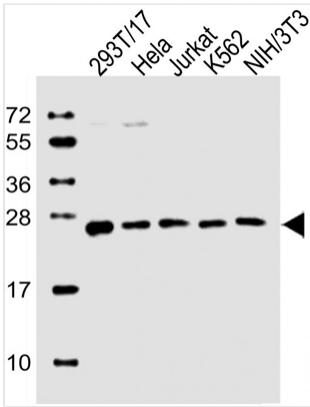
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS        |
|-----------|--------|--------------|---------------------|
| AAA290956 | Rabbit | Human, Mouse | ELISA, Western Blot |

### PRODUCT SYNONYMS

PSMB3; Polyclonal Antibody; PSMB3 Antibody (Center); Proteasome subunit beta type-3; Proteasome chain 13; Proteasome component C10-II; Proteasome theta chain; anti-PSMB3 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                                      | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Specificity                                     | This PSMB3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 150-185 amino acids from the Central region of human PSMB3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Length                                 | 205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-PSMB3 antibody | ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Antigen Source                                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Function                                        | Component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome mediates ubiquitin- independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex). |
| Cellular Location                               | Cytoplasm. Nucleus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Antigen Region                                  | 150-185                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Antigen Type                                    | Synthesized Peptide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                         | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



**WB (Western Blot)**  
All lanes : Anti-PSMB3 Antibody (Center) at 1:2000 dilution  
Lane 1: 293T/17 whole cell lysate  
Lane 2: HeLa whole cell lysate  
Lane 3: Jurkat whole cell lysate  
Lane 4: K562 whole cell lysate  
Lane 5: NIH/3T3 whole cell lysate  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 23 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-PSMB3 antibody</b> | <p>Description: Purified Rabbit Polyclonal Antibody (Pab)</p> <p>Background: The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity.</p> |
| <b>Product Categories/Family for anti-PSMB3 antibody</b>   | <p>Cell Biology</p>                                                                                                                                                                                                                                                                                                                                       |
| <b>References</b>                                          | <p>Nothwang H.G.,et al.Biochim. Biophys. Acta 1219:361-368(1994). Bienvenut W.V.,et al.Submitted (JUL-2008) to UniProtKB. Lubec G.,et al.Submitted (MAR-2007) to UniProtKB. Rasmussen H.H.,et al.Electrophoresis 13:960-969(1992). Kristensen P.,et al.Biochem. Biophys. Res. Commun. 205:1785-1789(1994).</p>                                            |

NCBI AND UNIPROT INFORMATION

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">22538465</a>            |
| <b>NCBI GeneID</b>                      | <a href="#">5691</a>                |
| <b>NCBI Accession #</b>                 | <a href="#">NP_002786.2</a>         |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NP_002786.2</a>         |
| <b>UniProt Accession #</b>              | <a href="#">P49720</a>              |
| <b>Molecular Weight</b>                 | Calculated MW: H=23, M=23, R=23 KDa |
| <b>NCBI Official Full Name</b>          | proteasome subunit beta type-3      |
| <b>NCBI Official Synonym Full Names</b> | proteasome 20S subunit beta 3       |
| <b>NCBI Official Symbol</b>             | PSMB3                               |
| <b>NCBI Official Synonym Symbols</b>    | HC10-II                             |
| <b>NCBI Protein Information</b>         | proteasome subunit beta type-3      |
| <b>UniProt Protein Name</b>             | Proteasome subunit beta type-3      |
| <b>UniProt Gene Name</b>                | <b>PSMB3</b>                        |
| <b>UniProt Entry Name</b>               | PSB3_HUMAN                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psmb3-antibody-western-blot-elisa/290956>