

## Rabbit anti-Human, Mouse PSMB7 Polyclonal Antibody | anti-PSMB7 antibody

Rabbit anti-PSMB7 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                       |
|-----------|--------|--------------|------------------------------------|
| AAA212315 | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot |

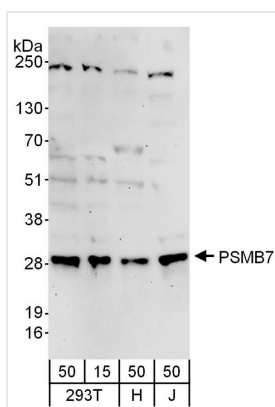
### PRODUCT SYNONYMS

PSMB7; Polyclonal Antibody; Rabbit anti-PSMB7 Antibody; Affinity Purified; proteasome subunit alpha; protein serine kinase c17; Z; proteasome subunit Z; proteasome subunit beta type-7; proteasome (prosome; macropain) subunit; beta type; 7; multicatalytic endopeptidase complex chain Z; epididymis secretory sperm binding protein; proteasome catalytic subunit 2; macropain chain Z; Proteasome subunit beta type-7; proteasome subunit beta 7; anti-PSMB7 antibody

### PRODUCT SPECIFICATIONS

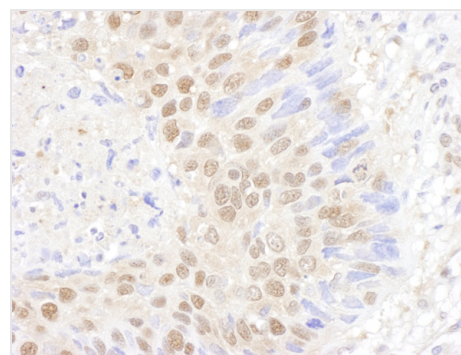
|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human, Mouse                                                                              |
| Clonality                                       | Polyclonal                                                                                |
| Purity/Purification                             | Antigen Affinity Purified                                                                 |
| Form/Format                                     | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                   | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-PSMB7 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                             |
| Predicted Reactivity                            | Rat, Bovine                                                                               |
| Immunogen                                       | Between 175 and 225                                                                       |
| Conjugation                                     | Unconjugated                                                                              |
| Preparation and Storage                         | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



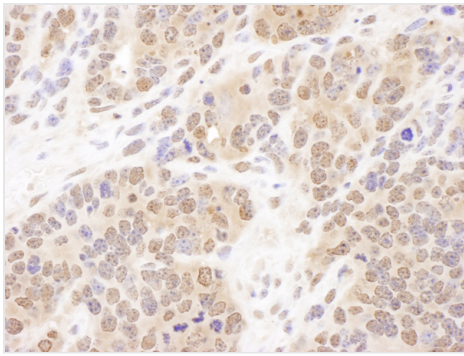
#### WB (Western Blot)

Detection of human PSMB7 by western blot. Samples: Whole cell lysate from HEK293T (15 and 50 ug), HeLa (H; 50 ug), and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PSMB7 antibody AAA212315 (lot AAA212315-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



#### IHC (Immunohistochemistry)

Detection of human PSMB7 by immunohistochemistry. Sample: FFPE section of human non-small cell lung cancer. Antibody: Affinity purified rabbit anti-PSMB7 (Cat. No. AAA212315 Lot1) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB. Counterstain: hematoxylin (blue).



#### IHC (Immunohistochemistry)

Detection of mouse PSMB7 by immunohistochemistry. Sample: FFPE section of mouse teratoma. Antibody: Affinity purified rabbit anti-PSMB7 (Cat. No. AAA212315 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-PSMB7 antibody</b> | PSMB7 [proteasome (prosome, macropain) subunit, beta type,7] is a member of the proteasome B-type family, also known as the T1B family, and is a 20S core beta subunit in the proteasome. 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. Expression of this catalytic subunit is downregulated by gamma interferon, and proteolytic processing is required to generate a mature subunit [taken from NCBI Entrez Gene (Gene ID: 5695)]. |
| <b>Product Categories/Family for anti-PSMB7 antibody</b>   | <a href="#">Primary Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 4506203                                                                                                                                                                         |
| <b>NCBI GeneID</b>                      | 5695                                                                                                                                                                            |
| <b>NCBI Accession #</b>                 | <a href="#">NP_002790.1</a>                                                                                                                                                     |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_002799.3</a>                                                                                                                                                     |
| <b>UniProt Accession #</b>              | <a href="#">Q99436</a> ; <a href="#">Q5TBG6</a> ; <a href="#">Q96AG8</a> ; <a href="#">Q9BWA7</a> ; <a href="#">B4E0P1</a>                                                      |
| <b>Molecular Weight</b>                 | 15,323 Da                                                                                                                                                                       |
| <b>NCBI Official Full Name</b>          | proteasome subunit beta type-7 proprotein                                                                                                                                       |
| <b>NCBI Official Synonym Full Names</b> | proteasome (prosome, macropain) subunit, beta type, 7                                                                                                                           |
| <b>NCBI Official Symbol</b>             | PSMB7                                                                                                                                                                           |
| <b>NCBI Official Synonym Symbols</b>    | Z                                                                                                                                                                               |
| <b>NCBI Protein Information</b>         | proteasome subunit beta type-7; macropain chain Z; multicatalytic endopeptidase complex chain Z; proteasome catalytic subunit 2; proteasome subunit Z; proteasome subunit alpha |
| <b>UniProt Protein Name</b>             | Proteasome subunit beta type-7                                                                                                                                                  |
| <b>UniProt Gene Name</b>                | <b>PSMB7</b>                                                                                                                                                                    |
| <b>UniProt Synonym Gene Names</b>       | Z                                                                                                                                                                               |
| <b>UniProt Entry Name</b>               | PSB7_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://www.aaabiotech.com/polyclonal/psmb7-antibody-immunohistochemistry-western-blot-elisa/212315>