

## Rabbit anti-Human PSMB5 Polyclonal Antibody | anti-PSMB5 antibody

Rabbit anti-PSMB5 Antibody, Affinity Purified

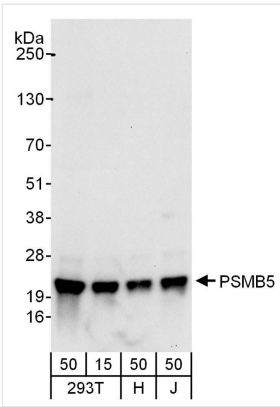
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA212314 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

PSMB5; Polyclonal Antibody; Rabbit anti-PSMB5 Antibody; Affinity Purified; proteasome epsilon chain; PSX large multifunctional protease X; proteasome subunit; beta type; 5; proteasome subunit X; proteasome subunit MB1; proteasome subunit beta type-5; testicular tissue protein Li 153; proteasome catalytic subunit 3; proteasome beta 5 subunit; proteasome (prosome; macropain) subunit; multicatalytic endopeptidase complex epsilon chain; MB1; macropain epsilon chain; LMPX; X; proteasome chain 6; Proteasome subunit beta type-5; proteasome subunit beta 5; anti-PSMB5 antibody

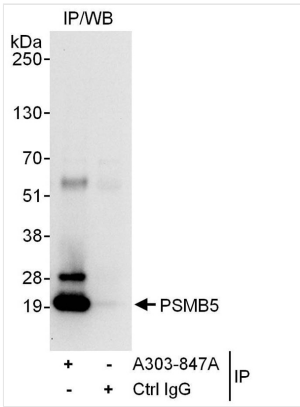
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human                                                                                     |
| 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-PSMB5 antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)                   |
| Predicted Reactivity                            | Orangutan                                                                                 |
| Immunogen                                       | Between 213 and C-terminus                                                                |
| Conjugation                                     | Unconjugated                                                                              |
| Preparation and Storage                         | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |



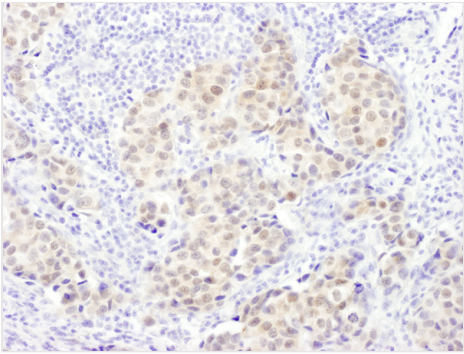
WB (Western Blot)

Detection of human PSMB5 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-PSMB5 antibody AAA212314 (lot AAA212314-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human PSMB5 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-PSMB5 antibody AAA212314 (lot AAA212314-1) used for IP at 6 ug/mg lysate. For blotting immunoprecipitated PSMB5, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human PSMB5 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-PSMB5 (Cat. No. AAA212314 Lot1) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PSMB5 antibody | PSMB5 [proteasome (prosome, macropain) subunit, beta type, 5)] is a member of the proteasome B-type family, also known as the T1B family, that 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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 3i (proteasome beta 8 subunit) [taken from NCBI Entrez Gene (Gene ID: 5693)]. |
| Product Categories/Family for anti-PSMB5 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                           |             |
|---------------------------|-------------|
| NCBI GI #                 | 4506201     |
| NCBI GeneID               | 5693        |
| NCBI Accession #          | NP_002788.1 |
| NCBI GenBank Nucleotide # | NM_002797.4 |

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt Accession #              | P28074; Q16242; Q6PEW2; Q7Z3B5; Q86T01; Q9TNN9; B2R4N9; B4DUM9; D3DS43; E9PAV2                                                                                                                                                                                  |
| Molecular Weight                 | 17,782 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | proteasome subunit beta type-5 isoform 1                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | proteasome (prosome, macropain) subunit, beta type, 5                                                                                                                                                                                                           |
| NCBI Official Symbol             | PSMB5                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | X; MB1; LMPX                                                                                                                                                                                                                                                    |
| NCBI Protein Information         | proteasome subunit beta type-5; proteasome chain 6; proteasome subunit X; proteasome subunit MB1; macropain epsilon chain; proteasome epsilon chain; proteasome beta 5 subunit; proteasome catalytic subunit 3; proteasome subunit, beta type, 5; PSX large mul |
| UniProt Protein Name             | Proteasome subunit beta type-5                                                                                                                                                                                                                                  |
| UniProt Gene Name                | <b>PSMB5</b>                                                                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | LMPX; MB1; X                                                                                                                                                                                                                                                    |
| UniProt Entry Name               | PSB5_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/psmb5-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212314>