

## Rabbit PSMB8 Antibody | anti-PSMB8 antibody

PSMB8 Rabbit pAb

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA282302 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

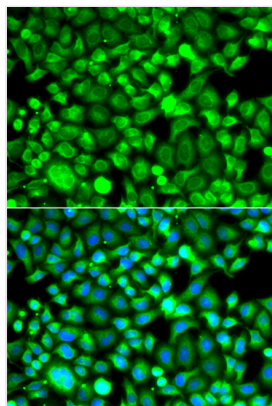
### PRODUCT SYNONYMS

PSMB8; PSMB8 Rabbit pAb; ALDD; D6S216; D6S216E; JMP; LMP7; NKJO; PSMB5i; RING10; proteasome subunit beta 8; anti-PSMB8 antibody

### PRODUCT SPECIFICATIONS

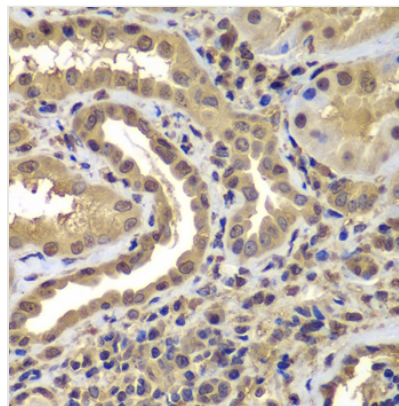
|                                                 |                                                                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                              |
| Reactivity                                      | Human, Mouse, Rat                                                                                                   |
| Isotype                                         | IgG                                                                                                                 |
| Purity/Purification                             | Affinity purification                                                                                               |
| Form/Format                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                   |
| Sequence                                        | KNTET                                                                                                               |
| Applicable Applications for anti-PSMB8 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                   |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 163-272 of human PSMB8 (NP_004150.1). |
| Cellular Location                               | Cytoplasm, Nucleus                                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                    |

### IMAGES



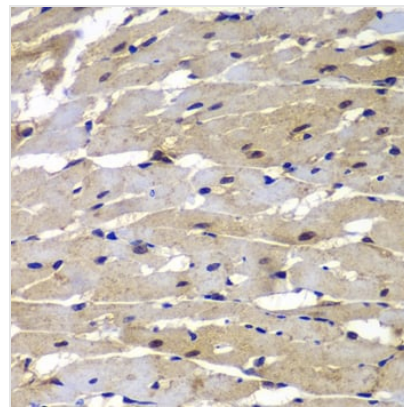
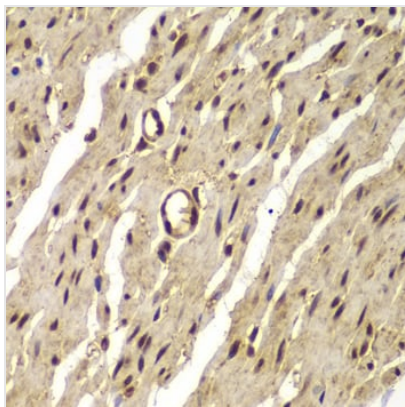
#### IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using PSMB8 antibody. Blue: DAPI for nuclear staining.



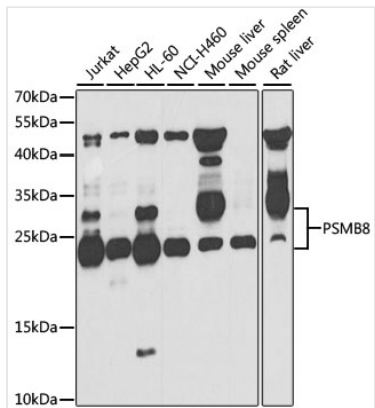
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using PSMB8 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



**IHC (Immunohistochemisry)**  
 Immunohistochemistry of paraffin-embedded human colon using PSMB8 antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

**IHC (Immunohiostchemistry)**  
 Immunohistochemistry of paraffin-embedded rat heart using PSMB8 antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



**WB (Western Blot)**  
 Western blot analysis of extracts of various cell lines, using PSMB8 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Related Product Information for anti-PSMB8 antibody</b></p> | <p>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 gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. This gene is located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 3 (proteasome beta 5 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. Two alternative transcripts encoding two isoforms have been identified; both isoforms are processed to yield the same mature subunit.</p> |
| <p><b>Product Categories/Family for anti-PSMB8 antibody</b></p>   | <p>Cell Biology &amp; Developmental Biology; Ubiquitin; Polyclonal Antibodies</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                           |                |
|---------------------------|----------------|
| NCBI GI #                 | 322506097      |
| NCBI GeneID               | 2146           |
| NCBI Accession #          | NP_001190176.1 |
| NCBI GenBank Nucleotide # | NM_001203247.1 |

|                                  |                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt Accession #              | <a href="#">Q15910</a> ; <a href="#">Q15755</a> ; <a href="#">Q75MG3</a> ; <a href="#">Q92857</a> ; <a href="#">Q96FI6</a> ; <a href="#">B2RAQ1</a> ; <a href="#">B3KS30</a> ; <a href="#">B7Z1D6</a> ; <a href="#">B7Z7L6</a> |
| Molecular Weight                 | 746                                                                                                                                                                                                                            |
| NCBI Official Full Name          | histone-lysine N-methyltransferase EZH2 isoform c                                                                                                                                                                              |
| NCBI Official Synonym Full Names | enhancer of zeste homolog 2 (Drosophila)                                                                                                                                                                                       |
| NCBI Official Symbol             | EZH2                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | WVS; ENX1; EZH1; KMT6; WVS2; ENX-1; EZH2b; KMT6A                                                                                                                                                                               |
| NCBI Protein Information         | histone-lysine N-methyltransferase EZH2; lysine N-methyltransferase 6                                                                                                                                                          |
| UniProt Protein Name             | Histone-lysine N-methyltransferase EZH2                                                                                                                                                                                        |
| UniProt Gene Name                | <b>EZH2</b>                                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | KMT6                                                                                                                                                                                                                           |
| UniProt Entry Name               | EZH2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/psmb8/282302>