

## Rabbit PSMB2 Polyclonal Antibody | anti-PSMB2 antibody

PSMB2 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                             | APPLICATIONS |
|-----------|--------|--------------------------------------------------------|--------------|
| AAA200601 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat | Western Blot |

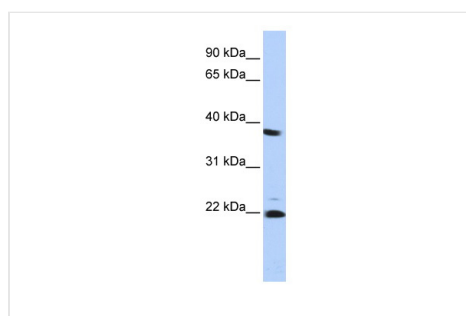
### PRODUCT SYNONYMS

PSMB2; Polyclonal Antibody; PSMB2 antibody - middle region; anti-PSMB2 antibody

### PRODUCT SPECIFICATIONS

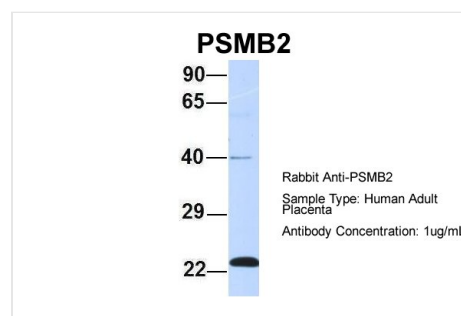
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat                                                                                                |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following sequence: YD EHEGPALYYM DYLAALAKAP FAAHGYGAFL TLSILDRYYT PTISRERA                                                |
| Sequence Length                                 | 201                                                                                                                                                   |
| Applicable Applications for anti-PSMB2 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                        | Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%                                                  |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the middle region of human PSMB2                                                                |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



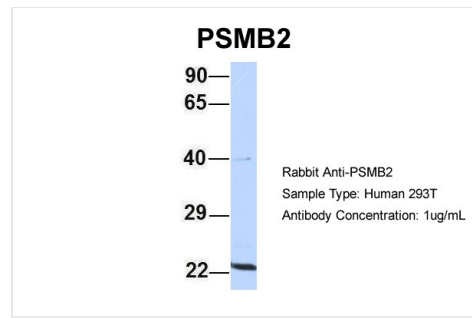
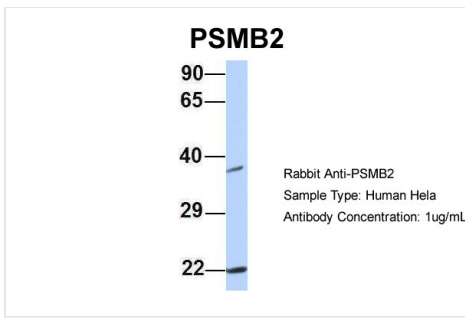
#### WB (Western Blot)

WB Suggested Anti-PSMB2 Antibody Titration: 0.2-1 ug/ml  
 ELISA Titer: 1:312500  
 Positive Control: HepG2 cell lysate  
 PSMB2 is supported by BioGPS gene expression data to be expressed in HepG2



#### WB (Western Blot)

Host: Rabbit  
 Target Name: PSMB2  
 Sample Type: Human Adult Placenta  
 Antibody Dilution: 1.0ug/ml



#### WB (Western Blot)

Host: RabbitTarget Name: PSMB2Sample Type: HeLaAntibody Dilution: 1.0ug/mlPSMB2 is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells

#### WB (Western Blot)

Host: RabbitTarget Name: PSMB2Sample Type: 293TAntibody Dilution: 1.0ug/mlPSMB2 is supported by BioGPS gene expression data to be expressed in HEK293T

## ADDITIONAL INFORMATION

#### Related Product Information for anti-PSMB2 antibody

This is a rabbit polyclonal antibody against PSMB2. It was validated on Western Blot using a cell lysate as a positive control.

**Target Description:** 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. PSMB2 is a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. 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. **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.

#### Product Categories/Family for anti-PSMB2 antibody

Polyclonal; Drugs and Drug Metabolism; Various; E3 & Ubiquitin

## NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | <a href="#">4506195</a>                  |
| NCBI GeneID                      | <a href="#">5690</a>                     |
| NCBI Accession #                 | <a href="#">NP_002785</a>                |
| NCBI GenBank Nucleotide #        | <a href="#">NM_002794</a>                |
| UniProt Accession #              | <a href="#">P49721</a>                   |
| Molecular Weight                 | 23kDa                                    |
| NCBI Official Full Name          | proteasome subunit beta type-2 isoform 1 |
| NCBI Official Synonym Full Names | proteasome subunit beta 2                |
| NCBI Official Symbol             | PSMB2                                    |
| NCBI Official Synonym Symbols    | HC7-I                                    |
| NCBI Protein Information         | proteasome subunit beta type-2           |
| UniProt Protein Name             | Proteasome subunit beta type-2           |
| UniProt Gene Name                | <b>PSMB2</b>                             |

**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/psmb2-antibody-western-blot-elisa/200601>