

## Rabbit PSMA2 Polyclonal Antibody | anti-PSMA2 antibody

PSMA2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA168186 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

PSMA2; Polyclonal Antibody; PSMA2 Antibody; MU; HC3; PSC2; PMSA2; anti-PSMA2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human, Mouse, Rat                                                                         |
| Clonality                                       | Polyclonal                                                                                |
| Isotype                                         | IgG                                                                                       |
| Purity/Purification                             | Antigen affinity purification                                                             |
| Concentration                                   | 1mg/mL (varies by lot)                                                                    |
| Sequence Length                                 | 234                                                                                       |
| Applicable Applications for anti-PSMA2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                    |
| Immunogen                                       | Recombinant protein of human PSMA2                                                        |
| Buffer                                          | PBS with 0.02% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                         | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using PSMA2 antibody. Blue: DAPI for nuclear staining.



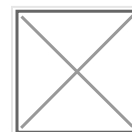
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat lung using PSMA2 antibody at dilution of 1:100 (200x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using PSMA2 antibody at dilution of 1:100 (200x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSMA2 antibody.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PSMA2 antibody | 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 peptidase T1A family, that is a 20S core alpha subunit. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 47496581                                                                                                                                                |
| NCBI GeneID                      | 5683                                                                                                                                                    |
| UniProt Accession #              | P25787; Q6ICS6; Q9BU45                                                                                                                                  |
| Molecular Weight                 | 25,899 Da                                                                                                                                               |
| NCBI Official Full Name          | PSMA2, partial                                                                                                                                          |
| NCBI Official Synonym Full Names | proteasome (prosome, macropain) subunit, alpha type, 2                                                                                                  |
| NCBI Official Symbol             | PSMA2                                                                                                                                                   |
| NCBI Official Synonym Symbols    | MU; HC3; PSC2; PMSA2                                                                                                                                    |
| NCBI Protein Information         | proteasome subunit alpha type-2; macropain subunit C3; multicatalytic endopeptidase complex subunit C3; proteasome component C3; proteasome subunit HC3 |
| UniProt Protein Name             | Proteasome subunit alpha type-2                                                                                                                         |
| UniProt Gene Name                | PSMA2                                                                                                                                                   |
| UniProt Synonym Gene Names       | HC3; PSC3                                                                                                                                               |
| UniProt Entry Name               | PSA2_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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