

## Rabbit anti-Human, Mouse PSMA2 Polyclonal Antibody | anti-PSMA2 antibody

PSMA2 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                       |
|-----------|--------|--------------|------------------------------------|
| AAA281094 | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot |

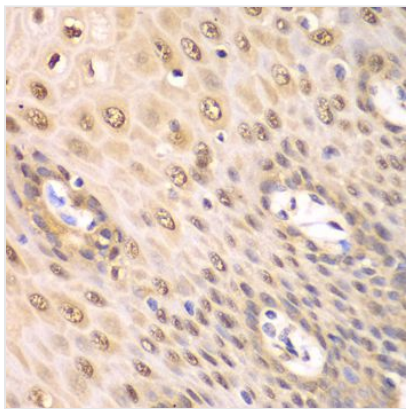
### PRODUCT SYNONYMS

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

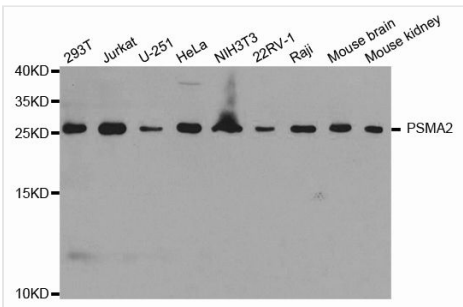
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                     |
| Reactivity                                      | Human, Mouse                                                                                                                                                                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                 |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                        |
| Purity/Purification                             | Affinity Purification                                                                                                                                                                                                                                                      |
| Sequence                                        | MAERGYSFSL TTFSPSGKLV QIEYALAAVA GGAPSVGIKA ANGVVLATEK KQKSILYDER SVHKVEPITK<br>HIGLVYSGMG PDYRVLVHRA RKLAQQYYLV YQEPIPTAQL VQRVASVMQE YTQSGGVRPF GVSLLICGWN<br>EGRPYLFQSD PSGAYFAWKA TAMGKNYVNG KTFLEKRYNE DLELEDAIHT AILTLKESFE GQMTEDNIEV<br>GICNEAGFRR LTPTEVKDYL AAIA |
| Sequence Length                                 | 234                                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-PSMA2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                              |
| Immunogen                                       | Recombinant protein of human PSMA2                                                                                                                                                                                                                                         |
| Immunogen Species                               | Human                                                                                                                                                                                                                                                                      |
| Storage Buffer                                  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                          |
| Cellular Location                               | Cytoplasm, Nucleus, P-body                                                                                                                                                                                                                                                 |
| Positive Samples                                | 293T, Jurkat, U-251MG, HeLa, NIH/3T3, 22Rv1, Raji, Mouse brain, Mouse kidney                                                                                                                                                                                               |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                         |

IMAGES



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded human esophagus using PSMA2 antibody at dilution of 1:100 (40x lens).



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using PSMA2 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.

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. |
| Product Categories/Family for anti-PSMA2 antibody   | Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 4506181                              |
| NCBI GeneID                      | 5683                                 |
| NCBI Accession #                 | NP_002778.1                          |
| NCBI GenBank Nucleotide #        | NM_002787.4                          |
| UniProt Accession #              | P25787; Q6ICS6; Q9BU45               |
| Molecular Weight                 | Calculated: 25kDa<br>Observed: 26kDa |
| NCBI Official Full Name          | proteasome subunit alpha type-2      |
| NCBI Official Synonym Full Names | proteasome subunit alpha 2           |
| NCBI Official Symbol             | PSMA2                                |
| NCBI Official Synonym Symbols    | MU; HC3; PSC2; PMSA2                 |
| NCBI Protein Information         | proteasome subunit alpha type-2      |
| UniProt Protein Name             | Proteasome subunit alpha type-2      |
| UniProt Gene Name                | PSMA2                                |
| UniProt Synonym Gene Names       | HC3; PSC3                            |

**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.

