

## Rabbit PSMA4 Polyclonal Antibody | anti-PSMA4 antibody

PSMA4 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA306202 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

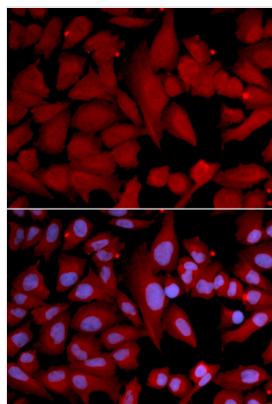
### PRODUCT SYNONYMS

PSMA4; Polyclonal Antibody; PSMA4 Antibody; HC9; PSC9; HsT17706; anti-PSMA4 antibody

### PRODUCT SPECIFICATIONS

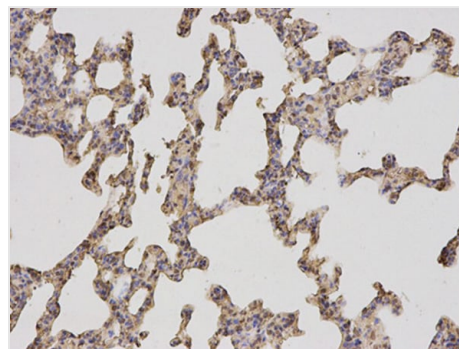
|                                                 |                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                              |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                   |
| Clonality                                       | Polyclonal                                                                                                                          |
| Specificity                                     | The antibody detects endogenous level of total PSMA4 protein.                                                                       |
| Purity/Purification                             | Antibodies were purified by affinity purification using immunogen.                                                                  |
| Form/Format                                     | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1.0 mg/ml (varies by lot)                                                                                                           |
| Sequence Length                                 | 261                                                                                                                                 |
| Applicable Applications for anti-PSMA4 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                              |
| Immunogen Type                                  | Recombinant Protein                                                                                                                 |
| Immunogen Description                           | Recombinant protein of human PSMA4.                                                                                                 |
| Target Name                                     | PSMA4                                                                                                                               |
| Preparation and Storage                         | Store at -20 degree C                                                                                                               |

### IMAGES



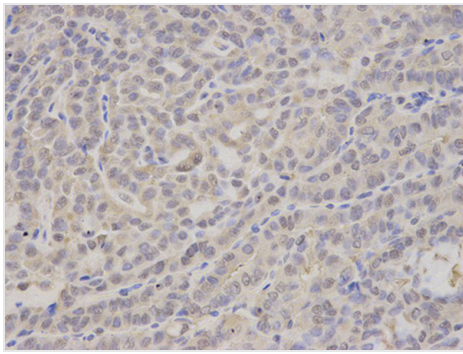
#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using PSMA4 antibody. Blue: DAPI for nuclear staining

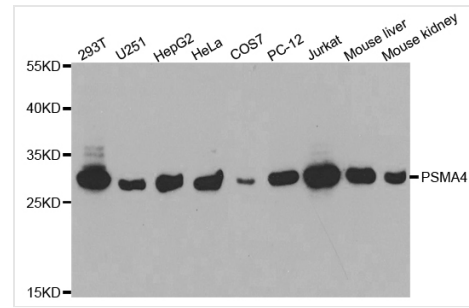


#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat lung using PSMA4 antibody at dilution of 1:100 (200x lens).



**IHC (Immunohistochemistry)**  
Immunohistochemical analysis of paraffin-embedded human thyroid cancer using PSMA4 antibody at dilution of 1:100 (400x lens).



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using PSMA4 antibody.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-PSMA4 antibody</b> | 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. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Product Categories/Family for anti-PSMA4 antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## NCBI AND UNIPROT INFORMATION

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| <b>NCBI GI #</b>                        | 156713442                                 |
| <b>NCBI GeneID</b>                      | 5685                                      |
| <b>NCBI Accession #</b>                 | NP_001096137.1                            |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001102667.1                            |
| <b>UniProt Accession #</b>              | P25789; Q53XP2; Q567Q5; Q8TBD1; D3DW86    |
| <b>Molecular Weight</b>                 | 21,365 Da                                 |
| <b>NCBI Official Full Name</b>          | proteasome subunit alpha type-4 isoform 1 |
| <b>NCBI Official Synonym Full Names</b> | proteasome subunit alpha 4                |
| <b>NCBI Official Symbol</b>             | PSMA4                                     |
| <b>NCBI Official Synonym Symbols</b>    | HC9; PSC9; HsT17706                       |
| <b>NCBI Protein Information</b>         | proteasome subunit alpha type-4           |
| <b>UniProt Protein Name</b>             | Proteasome subunit alpha type-4           |
| <b>UniProt Gene Name</b>                | <b>PSMA4</b>                              |
| <b>UniProt Synonym Gene Names</b>       | HC9; PSC9                                 |
| <b>UniProt Entry Name</b>               | PSA4_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.