

## Rabbit anti-Human PSMC4 Polyclonal Antibody | anti-PSMC4 antibody

PSMC4 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                           |
|-----------|--------|------------|--------------------------------------------------------|
| AAA301260 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

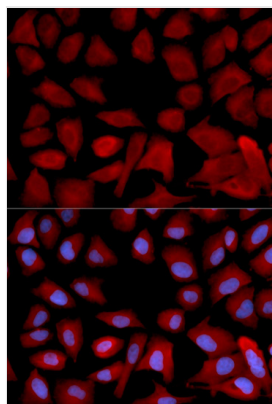
### PRODUCT SYNONYMS

PSMC4; Polyclonal Antibody; PSMC4 Antibody; S6; RPT3; TBP7; TBP-7; MIP224; anti-PSMC4 antibody

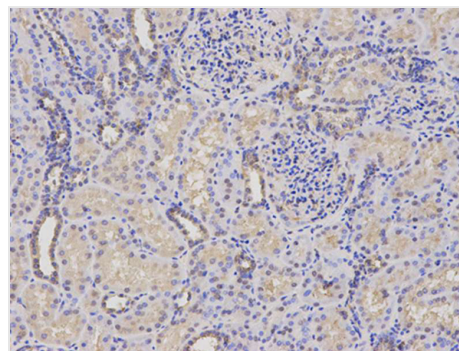
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                   |
| Specificity                                     | The antibody detects endogenous level of total PSMC4 protein.                                                                                                |
| Purity/Purification                             | Antibodies were purified by affinity purification using immunogen.                                                                                           |
| Form/Format                                     | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1.0 mg/ml (varies by lot)                                                                                                                                    |
| Sequence Length                                 | 418                                                                                                                                                          |
| Applicable Applications for anti-PSMC4 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                       |
| Immunogen Type                                  | Recombinant Protein                                                                                                                                          |
| Immunogen Description                           | Recombinant protein of human PSMC4.                                                                                                                          |
| Target Name                                     | PSMC4                                                                                                                                                        |
| Preparation and Storage                         | Store at -20 degree C                                                                                                                                        |

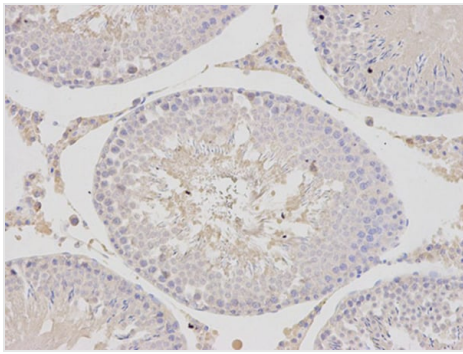
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence analysis of U2OS cell using PSMC4 antibody. Blue: DAPI for nuclear staining.

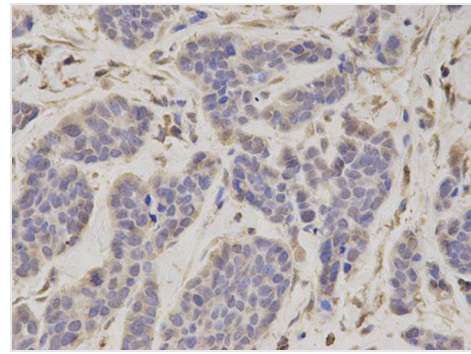

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat testis using PSMC4 antibody at dilution of 1:100 (200x lens).



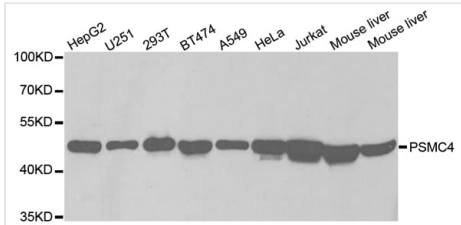
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney using PSMC4 antibody at dilution of 1:100 (200x lens).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast cancer using PSMC4 antibody at dilution of 1:100 (400x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSMC4 antibody.

## ADDITIONAL INFORMATION

### Related Product Information for anti-PSMC4 antibody

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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. This gene encodes a member of the triple-A family of ATPases that is a component of the 19S regulatory subunit and plays a role in 26S proteasome assembly. The encoded protein interacts with gankyrin, a liver oncoprotein, and may also play a role in Parkinson's disease through interactions with synphilin-1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

### Product Categories/Family for anti-PSMC4 antibody

Total protein Ab

## NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 5729991                                      |
| NCBI GeneID                      | 5704                                         |
| NCBI Accession #                 | NP_006494.1                                  |
| NCBI GenBank Nucleotide #        | NM_006503.3                                  |
| UniProt Accession #              | P43686; Q96FV5; Q9UBM3; Q9UEX3               |
| Molecular Weight                 | 43,508 Da                                    |
| NCBI Official Full Name          | 26S protease regulatory subunit 6B isoform 1 |
| NCBI Official Synonym Full Names | proteasome 26S subunit, ATPase 4             |
| NCBI Official Symbol             | PSMC4                                        |
| NCBI Official Synonym Symbols    | S6; RPT3; TBP7; TBP-7; MIP224                |

|                            |                                    |
|----------------------------|------------------------------------|
| NCBI Protein Information   | 26S protease regulatory subunit 6B |
| UniProt Protein Name       | 26S protease regulatory subunit 6B |
| UniProt Gene Name          | <b>PSMC4</b>                       |
| UniProt Synonym Gene Names | MIP224; TBP7; TBP-7                |
| UniProt Entry Name         | PRS6B_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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