

## Rabbit anti-Human PSMF1 Polyclonal Antibody | anti-PSMF1 antibody

Anti-PSMF1 Antibody, Rabbit Polyclonal

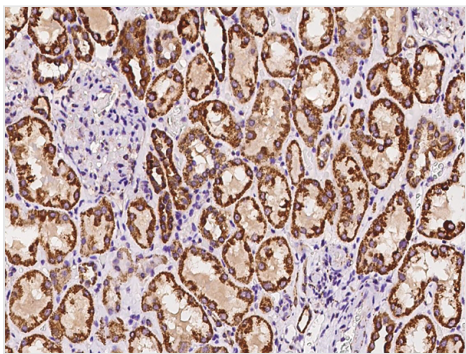
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA256509 | Rabbit | Human      | Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

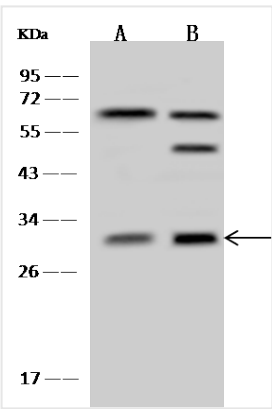
PSMF1; Polyclonal Antibody; Anti-PSMF1 Antibody; Rabbit Polyclonal; PSMF1 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) inhibitor subunit 1 (PI31); Anti-PI31 Antibody; anti-PSMF1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                     | Human PSMF1                                                                                                                                                                                                                                        |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                     | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-PSMF1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                      |
| Immunogen                                       | E Coli-derived Human PSMF1 fragment                                                                                                                                                                                                                |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                     | Produced in rabbits immunized with E Coli-derived Human PSMF1 fragment, and purified by antigen affinity chromatography.                                                                                                                           |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |



**IHC (Immunohistochemistry)**  
Immunochemical staining of human PSMF1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



**WB (Western Blot)**  
Anti-PSMF1 rabbit polyclonal antibody at 1:500 dilution Lane A: 293T Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 30 kDa Observed band size: 30 kDa

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PSMF1 antibody | PSMF1 (Proteasome Inhibitor Subunit 1) is a Protein Coding gene. The PSMF1 gene, located on 20p13, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, and mosquito. This gene encodes a protein that inhibits the activation of the proteasome by the 11S and 19S regulators. Alternative transcript variants have been identified for this gene. PSMF1 is widely expressed in the testis, ovary, and other tissues. Diseases associated with PSMF1 include Parkinson's Disease 15, Autosomal Recessive Early-Onset. The related pathways of PSMF1 are Regulation of activated PAK-2p34 by proteasome-mediated degradation and Antigen processing-Cross presentation. 237 organisms have orthologs with the human gene PSMF1. |
| References                                          | Zaiss DM, et al. (2002) Pi31 is a modulator of proteasome formation and antigen processing. Proc Natl Acad Sci U S A 99 (22): 14344-14349. Tanahashi N, et al. (1999) The proteasome-dependent proteolytic system. Mol Biol Rep 26 (1-2): 3-9. Shang J, et al. (2015) The fp domains of pi31 and fbxo7 have the same protein fold but very different modes of protein-protein interaction. J Biomol Struct Dyn 33 (7): 1528-1538.                                                                                                                                                                                                                                                                                                                                          |

**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.