

## Goat anti-PI31 / PSMF1 (Isoform 1) Antibody

**Item Number** dAP-0130

**Target Molecule** Principle Name: PI31 / PSMF1 (Isoform 1); Official Symbol: PSMF1; All Names and Symbols: PSMF1; PI31; proteasome (prosome, macropain) inhibitor subunit 1 (PI31); RP4-545L17.1; proteasome inhibitor hP131 subunit; proteasome inhibitor subunit 1; Accession Number (s): NP\_006805.2; Human Gene ID(s): 9491; Non-Human GenelD(s): 228769 (mouse)

**Immunogen** DHLPPPGYDDMYL, is from C Terminus  
This antibody is expected to recognize isoform 1 (NP\_006805.2 and NP\_848693.2).

**Applications** Pep ELISA, WB

Species Tested: Human

**Purification** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**Supplied As** lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.  
Aliquot and store at -20°C. Minimize freezing and thawing.

**Peptide ELISA** Peptide ELISA: antibody detection limit dilution 1 to 32000.

**Western Blot** Western Blot: Approx 35kDa band observed in Human Kidney lysates (calculated MW of 29.8kDa according to NP\_006805.2). In transfected HEK293 transiently expressing PSMF1 a band of approx. 35kDa is observed. This band is not observed in the non-transfected

**IHC**

**Reference** Reference(s): McCutchen-Maloney SL, Matsuda K, Shimbara N, Binns DD, Tanaka K, Slaughter CA, De-Martino GN. cDNA cloning, expression, and functional characterization of PI31, a proline-rich inhibitor of the proteasome. *J Biol Chem.* 2000 Jun 16;275(24):18557-65..PMID: 10764772 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**