

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 GeneID(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, DeMartino 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**