

Goat anti-CAPN1 Antibody

Item Number	dAP-2823
Target Molecule	Principle Name: CAPN1; Official Symbol: CAPN1; All Names and Symbols: CAPN1; calpain 1, (mu/l) large subunit; CANP; CANP1; CANPL1; muCANP; muCL; CANP 1; calcium-activated neutral proteinase 1; calpain mu-type; calpain, large polypeptide L1; calpain-1 catalytic subunit; calpain-1 large subunit; cell proliferation-inducing ge; Accession Number (s): NP_005177.2; Human Gene ID(s): 823; Non-Human GenID(s):
Immunogen	SEKSAGTVELDD, is from internal region Reported variants represent identical protein: NP_001185797.1, NP_005177.2, NP_001185798.1.
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 80kDa band observed in Human Kidney, Placenta and Spleen lysates (calculated MW of 81.9kDa according to NP_005177.2). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Panigrahi AK, Zhang N, Mao Q, Pati D. Calpain-1 cleaves Rad21 to promote sister chromatid separation. Mol Cell Biol. 2011 Nov;31(21):4335-47.. PMID: 21876002->

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**