

Goat anti-DUSP1 Antibody

Item Number	dAP-0051
Target Molecule	Principle Name: DUSP1; Official Symbol: DUSP1; All Names and Symbols: DUSP1; dual specificity phosphatase 1; HVH1; CL100; MKP-1; PTPN10; serine/threonine specific protein phosphatase; MKP1; Accession Number (s): NP_004408.1; Human Gene ID(s): 1843; Non-Human GeneID(s): 19252 (mouse)
Immunogen	SYLQSPITTSPSC, is from C Terminus
Applications	Pep ELISA, WB, IHC 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. 40kDa band observed in Human lysates of HeLa (calculated MW of 39.3kDa according to NP_004408.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse and Rat Lung for
IHC	Immunohistochemistry: In paraffin embedded Human Prostate shows strong cytoplasm staining of secretory cells in the glands. Recommended concentration: 3-5µg/ml.
Reference	Reference(s): Alessi DR, Smythe C, Keyse SM. The human CL100 gene encodes a Tyr/Thr-protein phosphatase which potently and specifically inactivates MAP kinase and suppresses its activation by oncogenic ras in Xenopus oocyte extracts. <i>Oncogene</i> 1993 Jul;8(7):2015-20. PMID: 8390041->

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 end users! This product is sold for **Research Use Only**