

Goat anti-CTDSP1 Antibody

Item Number	dAP-1082
Target Molecule	Principle Name: CTDSP1; Official Symbol: CTDSP1; All Names and Symbols: CTDSP1; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 ; NLIIF; SCP1 ; nuclear LIM interactor-interacting factor; small CTD phosphatase 1; Accession Number (s): NP_067021.1; NP_872580.1; Human Gene ID(s): 58190; Non-Human GenelD(s): 227292 (mouse) 363249 (rat)
Immunogen	RGKGDQKSAASQK, is from internal region This antibody is expected to recognise both reported isoforms (NP_067021.1 and NP_872580.1).
Applications	Pep ELISA Species Tested:
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: Preliminary experiments gave an approx 60kDa band in human spleen, lung and placenta lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calc
IHC	
Reference	Reference(s): Zhang Y, Kim Y, Genoud N, Gao J, Kelly JW, Pfaff SL, Gill GN, Dixon JE, Noel JP. Determinants for dephosphorylation of the RNA polymerase II C-terminal domain by Scp1. Mol Cell. 2006 Dec 8;24 (5):759-70. .PMID: 17157258 [PubMed - indexed for MEDLINE->

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**