

Goat anti-CTDSP1 Antibody

Item Number	dAP-2566
Target Molecule	Principle Name: CTDSP1; Official Symbol: CTDSP1; All Names and Symbols: CTDSP1; SCP1; NLIIF; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1; small CTD phosphatase 1; nuclear LIM interactor-interacting factor; Synaptonemal Complex Protein 1; Accession Number (s): NP_067021.1; NP_872580.1; NP_001193807.1; Human Gene ID(s): 58190; Non-Human GenelD(s): 227292 (mouse) 363249 (rat)
Immunogen	EAKAQDSDKIC, is from internal region This antibody is expected to recognize all three reported isoforms (NP_067021.1; NP_872580.1; NP_001193807.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse
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 16000.
Western Blot	Western Blot: Approx 30kDa band observed in Mouse Testis lysates (calculated MW of 29.3kDa according to Mouse NP_694728.1). Recommended concentration: 0.1-0.3µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Tonsil shows nucleolar staining in select cells outside the follicles. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Yeo M, Lee SK, Lee B, Ruiz EC, Pfaff SL, Gill GN. Small CTD phosphatases function in silencing neuronal gene expression. <i>Science</i> . 2005 Jan 28;307(5709):596-600. PMID: 15681389 ->

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**