

## Goat anti-RPA1 / RPA70 (aa323-337) Antibody

<b>Item Number</b>	dAP-2924
<b>Target Molecule</b>	Principle Name: RPA1 / RPA70 (aa323-337); Official Symbol: RPA1; All Names and Symbols: RPA1; replication protein A1, 70kDa; HSSB; MST075; REPA1; RF-A; RP-A; RPA70; MSTP075; RF-A protein 1; RP-A p70; replication factor A protein 1; replication protein A 70 kDa DNA-binding subunit; single-stranded DNA-binding protein; Accession Number (s): NP_002936.1; Human Gene ID(s): 6117; Non-Human GeneID(s):
<b>Immunogen</b>	CKSYEDATKITVRSN, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: Human, Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Approx 70+80kDa band observed in lysates of cell line HeLa (calculated MW of 68.1kDa according to NP_002936.1). The upper band likely represents the acetylated protein. A 75kDa band was observed in several Mouse cell lines and in lysates of
<b>IHC</b>	
<b>Reference</b>	Reference(s): Lada AG, Waisertreiger IS, Grabow CE, Prakash A, Borgstahl GE, Rogozin IB, Pavlov YI. Replication protein A (RPA) hampers the processive action of APOBEC3G cytosine deaminase on single-stranded DNA. PLoS One. 2011;6(9):e24848..PMID: 21935481->

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**