

## Goat anti-DAP10 / HCST Antibody

<b>Item Number</b>	dAP-0970
<b>Target Molecule</b>	Principle Name: DAP10 / HCST; Official Symbol: HCST; All Names and Symbols: HCST; DAP10; hematopoietic cell signal transducer; KAP10; PIK3AP ; DNAX-activation protein 10; phosphoinositide-3-kinase adaptor protein; Accession Number (s): NP_055081.1; NP_001007470.1; Human Gene ID(s): 10870; Non-Human GeneID(s): 23900 (mouse) 474146 (rat)
<b>Immunogen</b>	RSPAQEDGKVYIN, is from C Terminus This antibody is expected to recognise isoform 1 (NP_055081.1) but it may recognize isoform 2 lacking residue E81 (NP_001007470.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<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 40kDa band observed in human spleen lysates (calculated MW of 9.5kDa according to NP_055081.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Wu et al, Science. 1999 Jul 30;28
<b>IHC</b>	
<b>Reference</b>	Reference(s): Upshaw JL, Arneson LN, Schoon RA, Dick CJ, Billadeau DD, Leibson PJ. NKG2D-mediated signaling requires a DAP10-bound Grb2-Vav1 intermediate and phosphatidylinositol-3-kinase in human natural killer cells. Nat Immunol. 2006 May;7(5):524-32. Epub 2006 Apr 2. .PMID: 16582911 ->

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**