

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07489 - Goat Anti-DAP10 / HCST Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HCST, DAP10, hematopoietic cell signal transducer, KAP10, PIK3AP, DNAX-activation protein 10, phosphoinositide-3-kinase adaptor protein

**Official Symbol:** HCST

**Accession Number(s):** NP\_055081.1; NP\_001007470.1

**Human GeneID(s):** [10870](#)

**Non-Human GeneID(s):** 23900 (mouse), 474146 (rat)

**Important Comments:** This antibody is expected to recognise isoform 1 (NP\_055081.1) but it may recognize isoform 2 lacking residue E81 (NP\_001007470.1).

### Immunogen

Peptide with sequence C-RSPAQEDGKVYIN, from the C Terminus of the protein sequence according to NP\_055081.1; NP\_001007470.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**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;285(5428):730-2.; PMID: 10426994). Recommended concentration: 0.2-0.6µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed at 100kDa. This band was successfully blocked by incubation with the immunising peptide.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat

EB07489 (0.2µg/ml) staining of human spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.