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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.