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EB07370 - Goat Anti-DSCAM Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: DSCAM, Down syndrome cell adhesion molecule, CHD2-42, CHD2-52, human CHD2-52 down syndrome cell adhesion molecule
Official Symbol: DSCAM
Accession Number(s): NP_001380.2; NP_001258463.1
Human GeneID(s): 1826
Non-Human GeneID(s): 13508 (mouse), 171119 (rat)
Important Comments: This antibody is expected to recognise both reported isoforms (NP_001380.2 and NP_996770.1).

Immunogen

Peptide with sequence C-DSWDSAQRTKDVSPQ, from the internal region of the protein sequence according to NP_001380.2; NP_001258463.1.

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 1:16000.
Western blot: Approx 200-220kDa band observed in HepG2 cell lysates (calculated MW of 174kDa according to NP_996770.1). This molecular weight is routinely observed by other sources. Recommended concentration: 2-3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nuclei of MCF7 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Dog

EB07370 (2µg/ml) staining of HepG2 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07370 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB07370 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.