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

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.

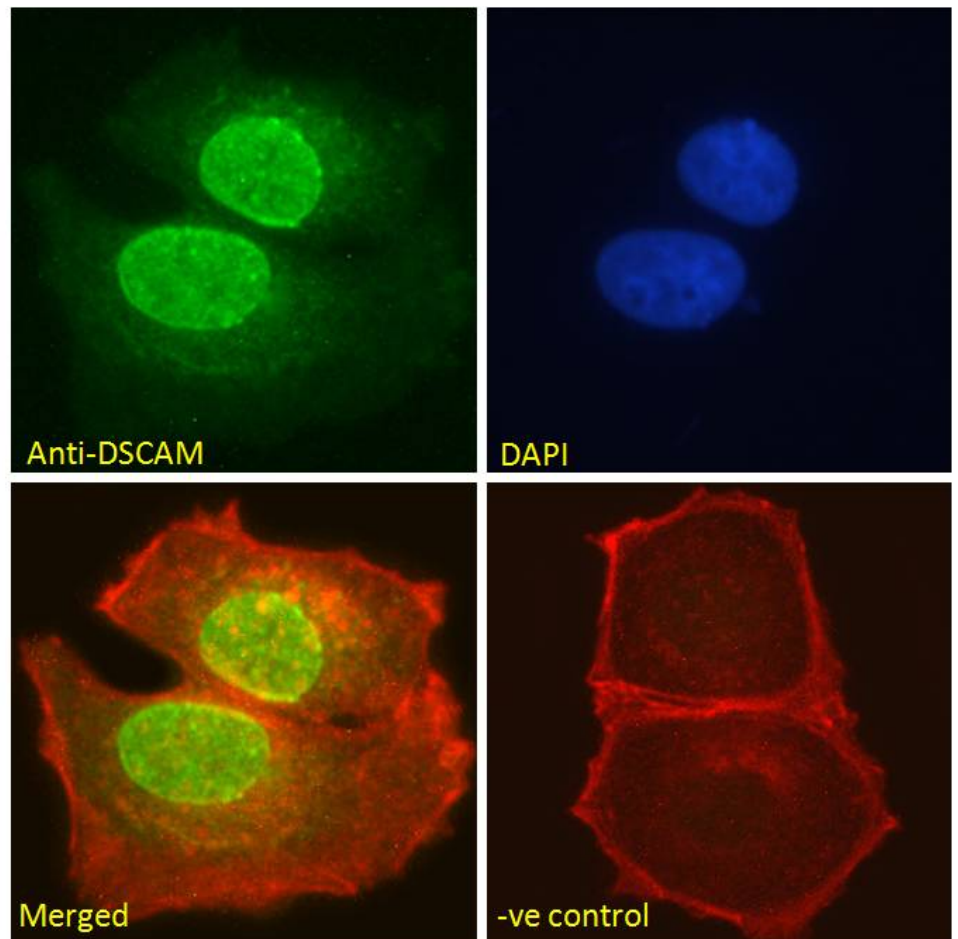
Species Reactivity

Tested: Human

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

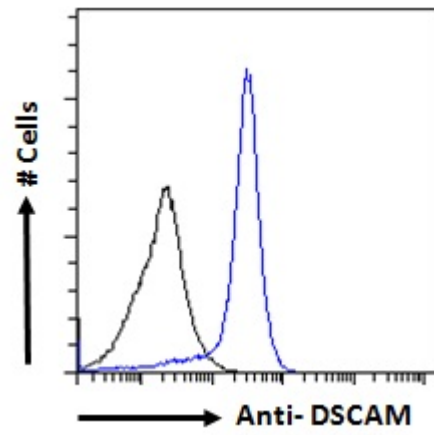


EB07370 (2 μ g/ml) staining of HepG2 cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB07370 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10 μ g/ml) followed by Alexa Fluor 488 secondary antibody (2 μ g/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 μ g/ml) followed by Alexa Fluor 488 secondary antibody (2 μ g/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.