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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.

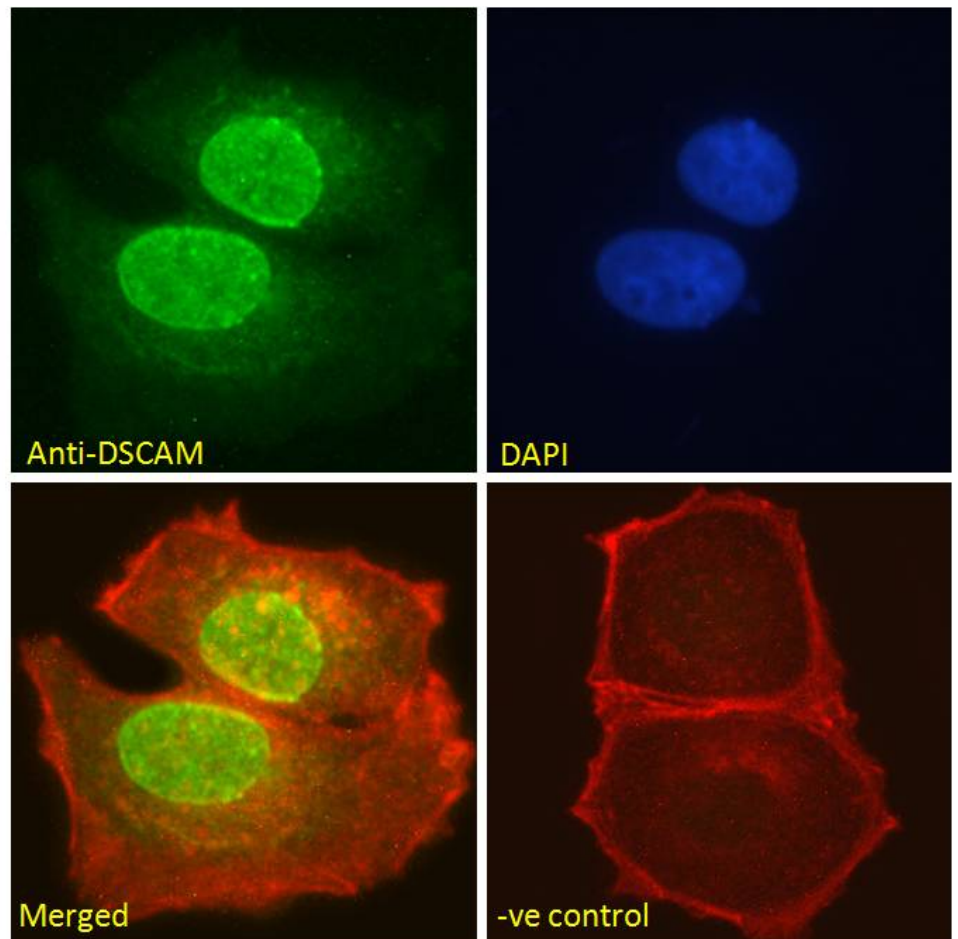
### Species Reactivity

**Tested:** Human

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

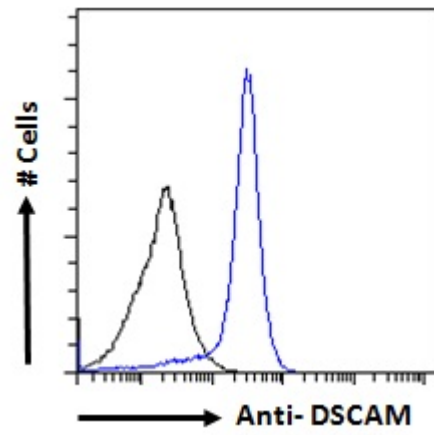


EB07370 (2 $\mu$ g/ml) staining of HepG2 cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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

Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ 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 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ 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.