
anti-HCAM

Cat #: HM1052
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Cell adhesion molecules are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. HCAM (for homing cell adhesion molecule, also designated as CD44) is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). It participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms,

SPECIFICITY

This antibody specifically reacts with HCAM of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human HCAM protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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3. Legg, J.W., Lewis, C.A., Parsons, M., Ng, T. and Isacke, C.M. (2002) A novel PKC-regulated mechanism controls CD44 ezrin association and directional cell motility. *Nat. Cell Biol.* 4, 399-407.
4. Gadhoun, Z., Leibovitch, M.P., Qi, J., Dumenil, D., Durand, L., Leibovitch, S. and Smadja-Joffe, F. (2004) CD44: a new means to inhibit acute myeloid leukemia cell proliferation via p27Kip1. *Blood* 103, 1059-1068.

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