

Anti-CD44 (Hyaluron Binding Region) Antibody
Catalog # AN1693**Specification****Anti-CD44 (Hyaluron Binding Region) Antibody - Product Information**

Application	WB, IHC
Primary Accession	P16070
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Calculated MW	81538

Anti-CD44 (Hyaluron Binding Region) Antibody - Additional Information

Gene ID 960

Other Names

Epican, ECMR-III, PGP-1, LHR, MDU2, MDU3, MIC4 Heparan sulfate proteoglycan HUTCH-I GP90, CD44

Target/Specificity

Cell surface adhesion protein CD44 is a ubiquitously expressed type I transmembrane protein that has important functions related to cell-cell adhesion and extracellular matrix interactions. The transmembrane protein is post-translationally modified at multiple sites by glycosylation and phosphorylation. CD44 ligands include hyaluronic acid, collagens, laminins, osteopontin, serglycin, and fibronectin. CD44 has been implicated in inflammatory cell functions as well as in tumor growth and metastasis. CD44 is overexpressed in many types of cancer; the interaction between CD44 and HER2 has been linked to an increase in ovarian carcinoma cell growth. CD44 interacts with ezrin, radixin, and moesin to link the actin cytoskeleton to the plasma membrane and the extracellular matrix. These interactions are critical for CD44 function in cell-cell adhesion and cell motility.

Dilution

WB~~1:1000

IHC~~1:100~500

Format

Protein G Purified

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-CD44 (Hyaluron Binding Region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

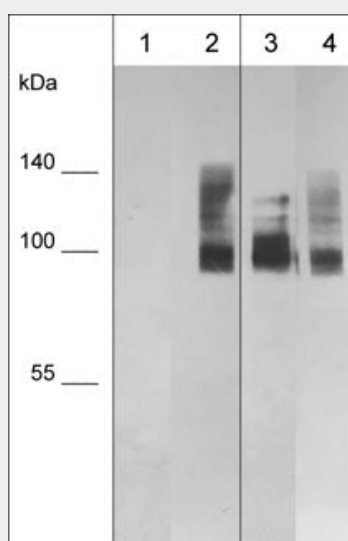
Blue Ice

Anti-CD44 (Hyaluron Binding Region) Antibody - Protocols

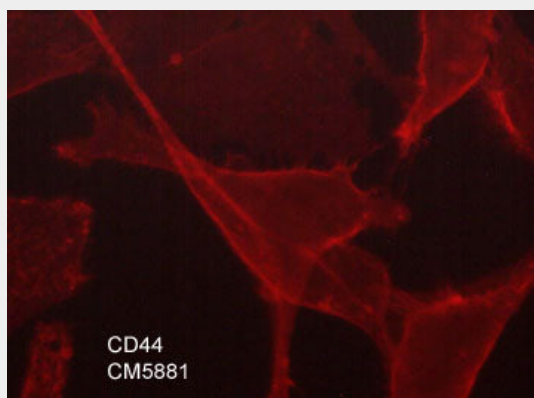
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD44 (Hyaluron Binding Region) Antibody - Images



Western blot analysis of denatured (lanes 1 & 3) and native (lanes 2 & 4) human MDA-MB-231 whole cell lysates. The blots were probed with mouse monoclonal anti-CD44 (CM5881) at 1:1000 (lanes 1 & 2) or mouse monoclonal anti-CD44 (CM5911) at 1:1000 (lanes 3 & 4).



Immunocytochemical labeling of CD44 in paraformaldehyde fixed human MDA-MB-231 cells. The cells were labeled with mouse monoclonal anti-CD44 (clone M588). The antibody was detected using goat anti-mouse DyLight® 594.

Anti-CD44 (Hyaluron Binding Region) Antibody - Background

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has important functions related to cell-cell adhesion and extracellular matrix interactions. The transmembrane protein is post-translationally modified at multiple sites by glycosylation and phosphorylation. CD44 ligands include hyaluronic acid, collagens, laminins, osteopontin, serglycin, and fibronectin. CD44 has been implicated in inflammatory cell functions as well as in tumor growth and metastasis. CD44 is overexpressed in many types of cancer; the interaction between CD44 and HER2 has been linked to an increase in ovarian carcinoma cell growth. CD44 interacts with ezrin, radixin, and moesin to link the actin cytoskeleton to the plasma membrane and the extracellular matrix. These interactions are critical for CD44 function in cell-cell adhesion and cell motility.