

CD44 Rabbit pAb

Catalog No.: A16806

Basic Information

Observed MW

Refer to figures

Calculated MW

82kDa

Category

Primary antibody

Applications

ELISA, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein 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, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

Recommended Dilutions

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

960

Swiss Prot

P16070

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 148-247 of human CD44 (NP_000601.3).

Synonyms

IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; H-CAM; HCELL; ECM-III; HUTCH-1; HUTCH-I; ECMR-III; Hermes-1; CD44

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

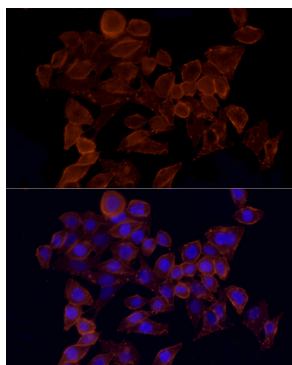
Affinity purification

Storage

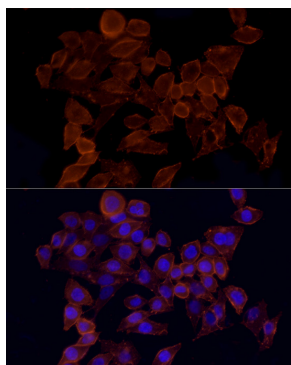
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

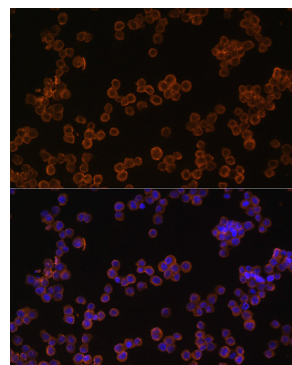
Validation Data



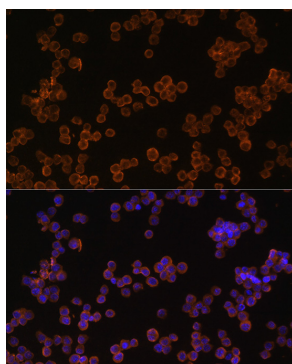
Immunofluorescence analysis of C6 cells using CD44 antibody (A16806) at dilution of 1:100. Blue: DAPI for nuclear staining.



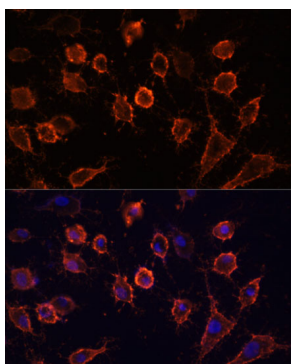
Immunofluorescence analysis of HeLa cells using CD44 Rabbit pAb (A16806) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



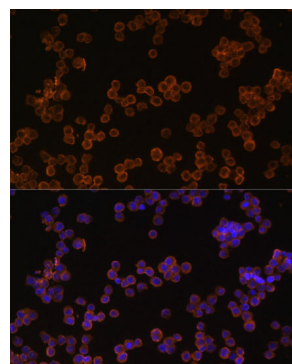
Immunofluorescence analysis of HeLa cells using CD44 antibody (A16806) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of RAW264.7 cells using CD44 Rabbit pAb (A16806) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HUVEC cells using CD44 antibody (A16806) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Raw264.7 cells using CD44 antibody (A16806) at dilution of 1:100. Blue: DAPI for nuclear staining.