

CD44 Rabbit pAb

Catalog No.: A0340

Basic Information

Catalog No.

A0340

Observed MW

80KDa

Calculated MW

3kDa/15kDa/32-53kDa/73-81kDa

Category

Primary antibody

Applications

WB, IHC, IP

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IP	1:50 - 1:200

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
960	P16070

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 346-385 of human CD44 (NP_000601.3).

Synonyms

CDW44;CSPG8;ECMR-III;HCELL;HUTCH-I;IN;LHR;MC56;MDU2;MDU3;MIC4;Pgp1;CD44;CD44

Product Information

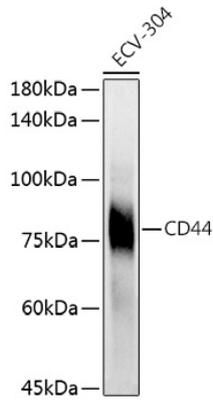
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

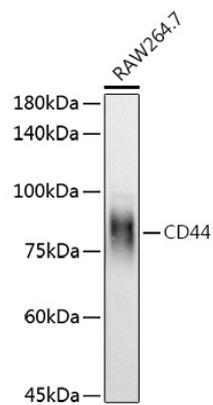
Store at -20°C. Avoid freeze / thaw cycles.

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

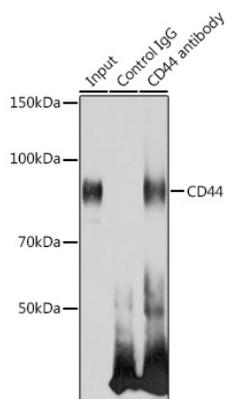
Validation Data



Western blot analysis of extracts of ECV-304 cells, using CD44 antibody (A0340) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 0.5s.

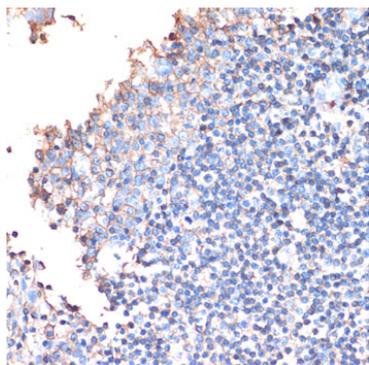


Western blot analysis of extracts of RAW264.7 cells, using CD44 antibody (A0340) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

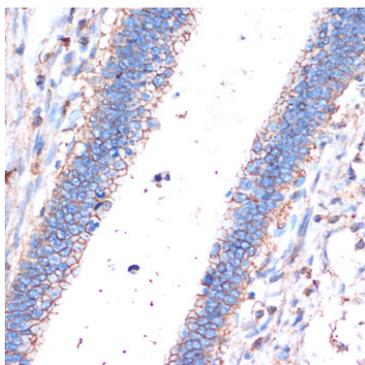


Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug CD44 antibody (A0340).
Western blot was performed from the immunoprecipitate using CD44 antibody (A0340) at a dilution of 1:1000.

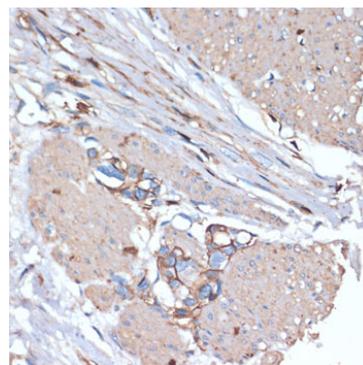
Validation Data



Immunohistochemistry of paraffin-embedded human tonsil using CD44 antibody (A0340) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human colon carcinoma using CD44 antibody (A0340) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using CD44 antibody (A0340) at dilution of 1:200 (40x lens).