Syndecan 4 Rabbit mAb

Catalog NO.: A26116 Recombinant 1 Publications

Basic Information

Observed MW
29kDa

Calculated MW
22kDa

Category
Monoclonal Antibodies

Applications
WB, IF-P, FC, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone number
ARC66675

Background

The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan that functions as a receptor in intracellular signaling. The encoded protein is found as a homodimer and is a member of the syndecan proteoglycan family. This gene is found on chromosome 20, while a pseudogene has been found on chromosome 22.

Recommended Dilutions

WB	1:500 - 1:1000
IF-P	1:50 - 1:200
FC	1:500 - 1:1000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
6385

Swiss Prot
P31431

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
SYND4

Contact

Product Information

order@abclonal.com
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www.abclonal.com

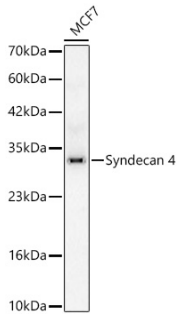
Source
Rabbit

Isotype
IgG

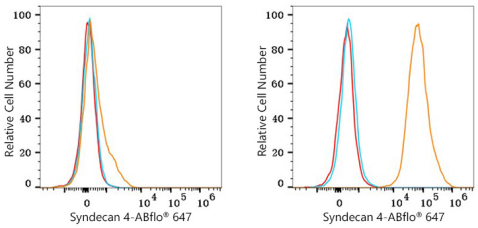
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3

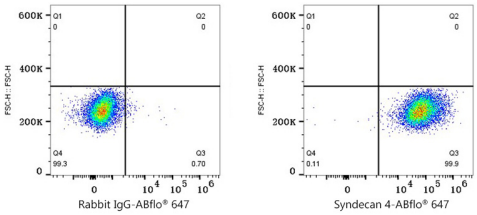
Validation Data



Western blot analysis of lysates from MCF7 cells using Syndecan 4 Rabbit mAb (A26116) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

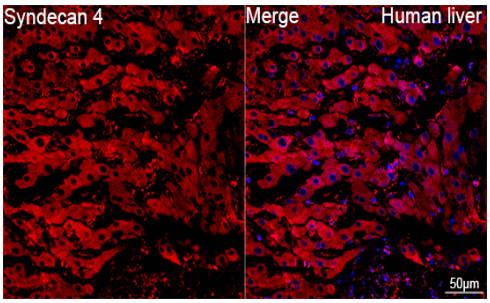


Flow cytometry: 1X10^6 MOLT-4 cells (negative control,left) and RT4 cells (right) were surface-stained with Syndecan 4 Rabbit mAb (A26116,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 RT4 cells were surface-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or Syndecan 4 Rabbit mAb (A26116,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.

Validation Data



Confocal imaging of paraffin-embedded Human liver tissue using Syndecan 4 Rabbit mAb (A26116, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

For research use only. Not for therapeutic or diagnostic purposes.

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