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NG2/CSPG4 Rabbit mAb

Catalog No.: A24955 Recombinant 2 Publications

Basic Information

Observed MW
450kDa

Calculated MW
251kDa

Category
Primary antibody

Applications
WB,IHC-P,IF/ICC,FC,ELISA

Cross-Reactivity
Human, Mouse

CloneNo number
ARC64580

Background

A human melanoma-associated chondroitin sulfate proteoglycan plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. CSPG4 represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells.

Recommended Dilutions

WB	1:1000 - 1:2000
IHC-P	1:500 - 1:2000
IF/ICC	1:200 - 1:1000
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
1464

Swiss Prot
Q6UVK1

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

Synonyms
NG2; MCSP; MCSPG; MSK16; CSPG4A; HMW-MAA; MEL-CSPG; NG2/CSPG4

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

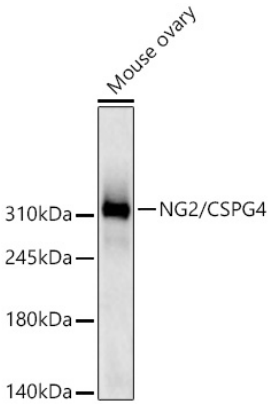
Contact

400-999-6126

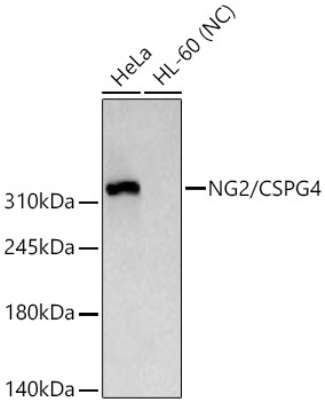
cn.market@abclonal.com.cn

www.abclonal.com.cn

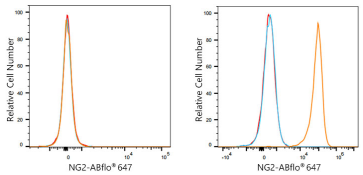
Validation Data



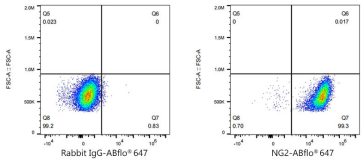
Western blot analysis of lysates from Mouse ovary using NG2/CSPG4 Rabbit mAb (A24955) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



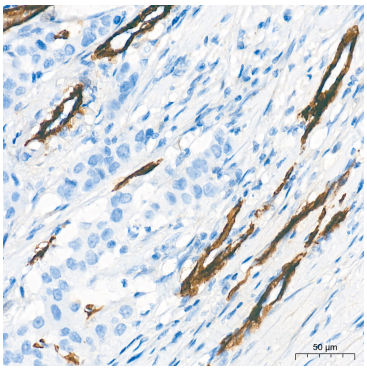
Western blot analysis of various lysates using NG2/CSPG4 Rabbit mAb (A24955)at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): HL-60
Exposure time: 10s.



Flow cytometry: 1X10^6 Jurkat cells (negative control,left) and SK-MEL-28 cells (right) were surface-stained with NG2/CSPG4 Rabbit mAb (A24955,2 µg/mL,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

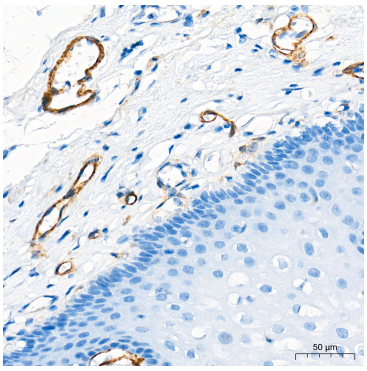


Flow cytometry: 1X10^6 SK-MEL-28 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,left) or NG2/CSPG4 Rabbit mAb (A24955,2 µg/mL,right).

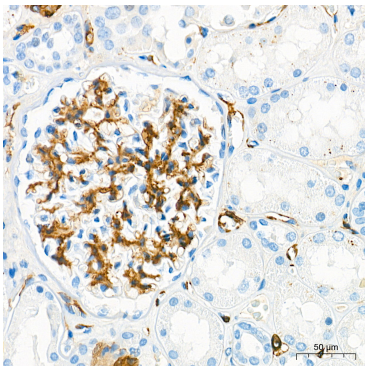


Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using NG2/CSPG4 Rabbit mAb (A24955) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

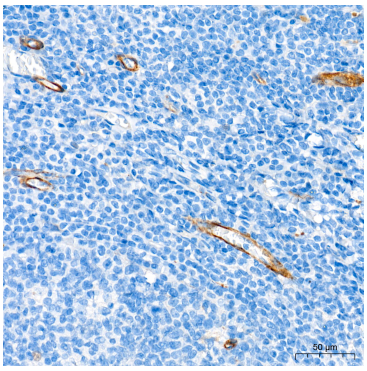
Validation Data



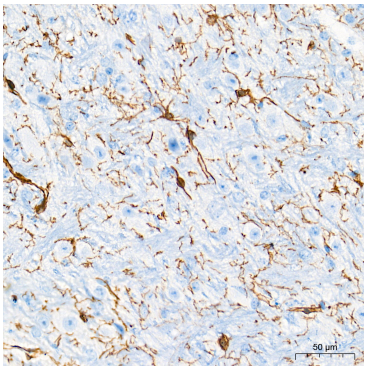
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using NG2/CSPG4 Rabbit mAb (A24955) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



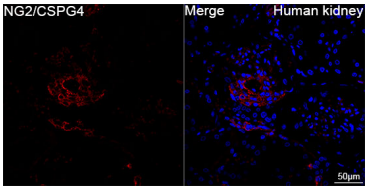
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using NG2/CSPG4 Rabbit mAb (A24955) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



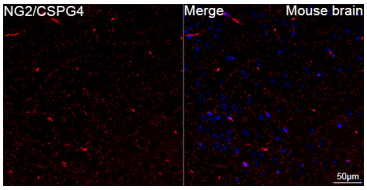
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using NG2/CSPG4 Rabbit mAb (A24955) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using NG2/CSPG4 Rabbit mAb (A24955) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human kidney tissue using NG2/CSPG4 Rabbit mAb (A24955, dilution 1:800) 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.



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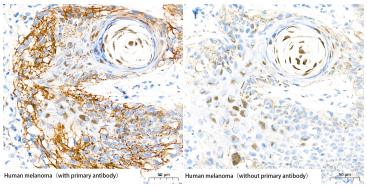
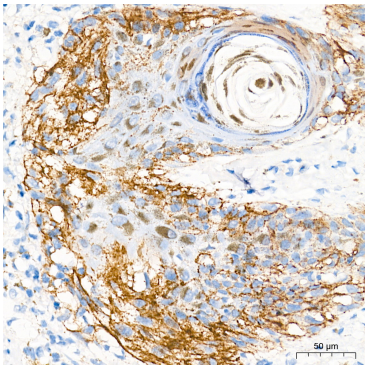


Immunohistochemistry analysis of paraffin-embedded Human malignant melanoma □positive control and blank control□ tissue using NG2/CSPG4 Rabbit mAb (A24955) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human malignant melanoma tissue using NG2/CSPG4 Rabbit mAb (A24955) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.