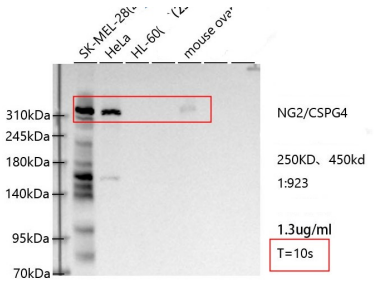
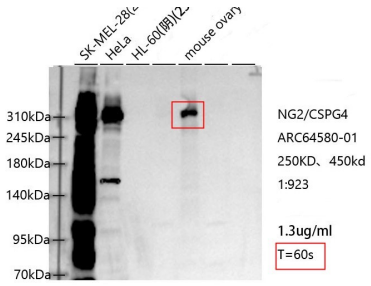
Product Data Sheet:
NG2 /CSPG4 Rabbit Monoclonal Antibody

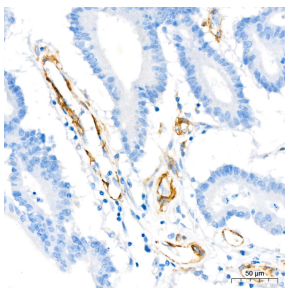
Cat. No:	MAB-94805
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC64580
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1583-2224 of human NG2.
Reactivity:	Human,Mouse
Applications:	Western Blot 1:500 – 1:1000 Immunohistochemistry (paraffin-embedded tossues): 1:50 – 1:200 Immunofluorescence:1:50 – 1:200 Immunocytochemistry: 1:50 – 1:200 Flow Cytometry: 1:500 – 1:1000
Molecular Weight:	251 kDa
Purification:	Affinity purification
Synonyms:	NG2; MCSP; MCSPG; MSK16; CSPG4A; HMW-MAA; MEL-CSPG; NG2/CSPG4
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.
Form:	Liquid
Buffer:	Recombinant fusion protein containing a sequence corresponding to amino acids 1583-2224 of human NG2
Storage:	Store at -20℃. Avoid freeze / thaw cycles.



Western Blot image using NG2 on human samples.

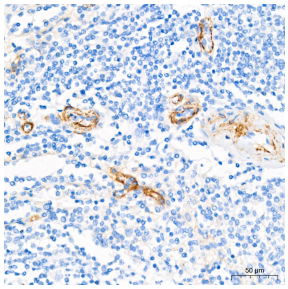


Western Blot image using NG2 on mouse samples.

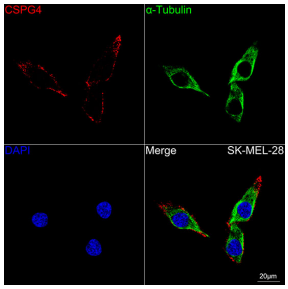


Immunohistochemistry analysis of NG2/CSPG4 in paraffin-embedded human colon carcinoma tissue using NG2/CSPG4 Rabbit mAb at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

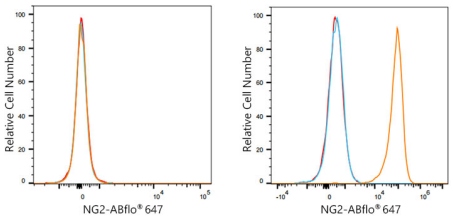
Product Data Sheet:
NG2 /CSPG4 Rabbit Monoclonal Antibody



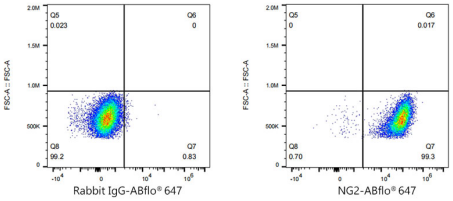
Immunohistochemistry analysis of NG2/CSPG4 in paraffin-embedded human spleen tissue using NG2/CSPG4 Rabbit mAb
at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of SK-MEL-28 cells using NG2/CSPG4 Rabbit mAb (dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Flow cytometry: 1X10^6 Jurkat cells (negative control,left) and SK-MEL-28 cells (right) were surface-stained with NG2/CSPG4 Rabbit mAb (2 µg/mL,orange line) or AF647 Rabbit IgG isotype control (5 µl/Test,blue line), followed by AF647 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 AF647 Rabbit IgG isotype control (5 µl/Test,left) or NG2/CSPG4 Rabbit mAb (2 µg/mL,right).

For Research use only
IMMUNOLOGICAL SCIENCES

web-site: https://.immunologicalsciences.com - e-mail: info@immunologicalsciences.com