

Product Datasheet

NG2/MCSP Antibody (JM10-13) NBP2-66979

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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NBP2-66979

NG2/MCSP Antibody (JM10-13)

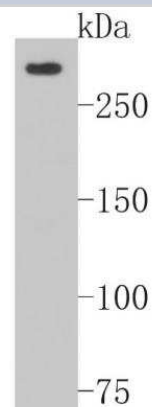
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JM10-13
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit NG2/MCSP Antibody (JM10-13) (NBP2-66979) is a recombinant monoclonal antibody validated for use in IHC, WB and Flow. Anti-NG2/MCSP Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1464
Gene Symbol	CSPG4
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human NG2/MCSP aa 2,271-2,314 / 2,322. (SwissProt: Q6UVK1 Human; SwissProt: CSPG4 Mouse; SwissProt: Q00657 Rat)

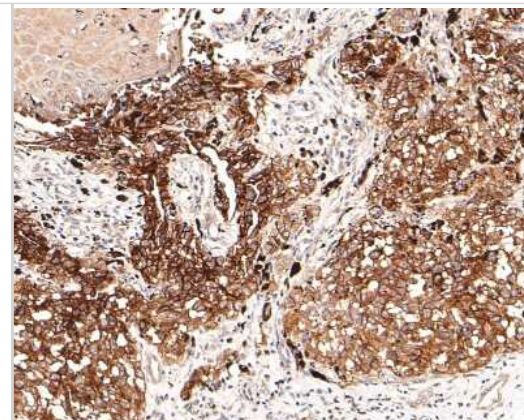
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50-1:400

Images

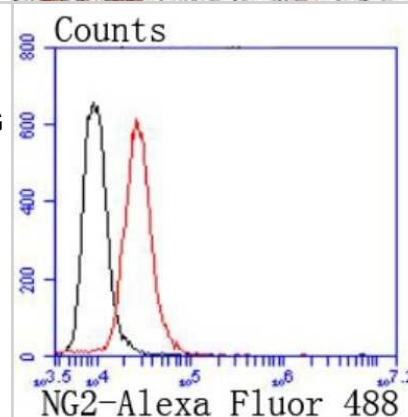
Western Blot: NG2/MCSP Antibody (JM10-13) [NBP2-66979] - Analysis of NG2 on SiHa cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



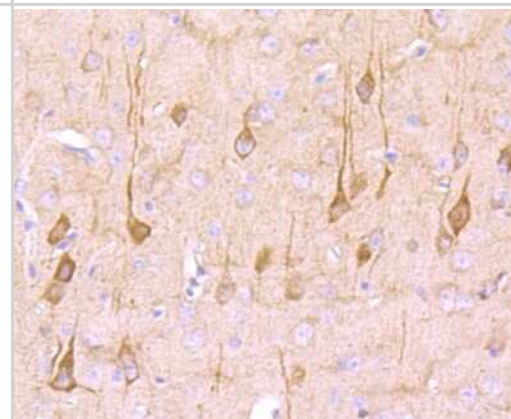
Immunohistochemistry-Paraffin: NG2/MCSP Antibody (JM10-13) [NBP2-66979] - Analysis of paraffin-embedded human malignant melanoma tissue using anti-NG2/MCSP antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/400) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



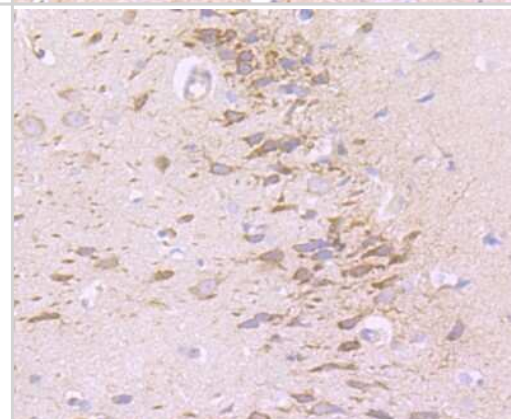
Flow Cytometry: NG2/MCSP Antibody (JM10-13) [NBP2-66979] - Analysis of SHG-44 cells with NG2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



Immunohistochemistry-Paraffin: NG2/MCSP Antibody (JM10-13) [NBP2-66979] - Analysis of paraffin-embedded mouse brain tissue using anti-NG2 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: NG2/MCSP Antibody (JM10-13) [NBP2-66979] - Analysis of paraffin-embedded rat brain tissue using anti-NG2 antibody. Counter stained with hematoxylin.



Publications

Ceraolo M, Milan M, Fratini N et al. CSPG4.CAR-T Cells Modulate Extracellular Matrix Remodeling in DMD Cardiomyopathy. International Journal of Molecular Sciences 2025-07-29 [PMID: 40724839]

Milan M, Maiullari F, Chirivi M et Al. Macrophages producing chondroitin sulfate proteoglycan-4 induce neuro-cardiac junction impairment in Duchenne muscular dystrophy J Pathol 2024-11-11 [PMID: 39523812]



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Products Related to NBP2-66979

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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