

CSPG4 antibody

Product Information

Catalog No.:	FNab10522
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

CSPG4, also named as HMW-MAA, MCSP, MCSPG, MEL-CSPG, MSK16 and NG2, is a proteoglycan playing a role in cell proliferation and migration which stimulates endothelial cells motility during microvascular morphogenesis. CSPG4 may inhibit neurite outgrowth and growth cone collapse during axon regeneration. It is cell surface receptor for collagen alpha 2(VI) which may confer cells ability to migrate on that substrate. CSPG4 may regulate MPP16-dependent degradation and invasion of type I collagen participating in melanoma cells invasion properties. It modulates the plasminogen system by enhancing plasminogen activation and inhibiting angiostatin.

Immunogen information

Immunogen:	chondroitin sulfate proteoglycan 4
Synonyms:	Chondroitin sulfate proteoglycan 4 Chondroitin sulfate proteoglycan NG2 Melanoma chondroitin sulfate proteoglycan Melanoma-associated chondroitin sulfate proteoglycan CSPG4 MCSP
Observed MW:	270 kDa
Uniprot ID :	Q6UVK1

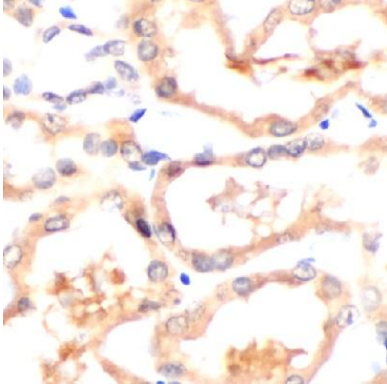
Application

Reactivity:	Human, Mouse, Rat
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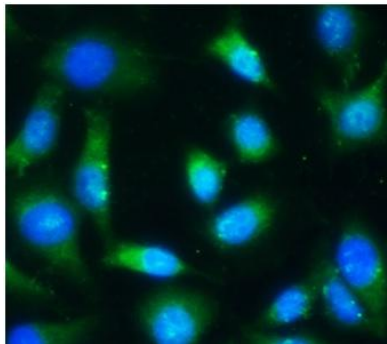
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:50-1:200; IF: 1:50-1:500

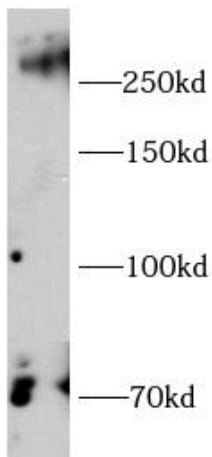
Image:



Immunohistochemistry of paraffin-embedded human kidney slide using FNab10522(CSPG4 antibody) at dilution of 1:100



Immunofluorescent analysis of HeLa cells using FNab10522(CSPG4 antibody) at dilution of 1:50.



HeLa cells were subjected to SDS PAGE followed by western blot with FNab10522(CSPG4 antibody) at dilution of 1:1000