

anti- MMP12 antibody

Product Information

Catalog No.:	FNab05234
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

MMP12(Matrix metalloproteinase-12) is a 54 kDa proenzyme that is processed into a 45 kDa and then a 22 kDa active form(15723202). MMP9 and MMP12 promote intimal thickening by independent cleavage of N-cadherin, which elevates vascular smooth muscle cell proliferation via beta-catenin signalling. Its overexpression in myeloid lineage cells plays a key role in modulating myelopoiesis, immune suppression, and lung tumorigenesis(PMID: 21378275).

Immunogen information

Immunogen:	matrix metalloproteinase 12(macrophage elastase)
Synonyms:	HME, Macrophage elastase, Macrophage metalloelastase, Matrix metalloproteinase 12, ME, MME, MMP 12, MMP12
Observed MW:	54 kDa, 45 kDa
Uniprot ID :	P39900

Application

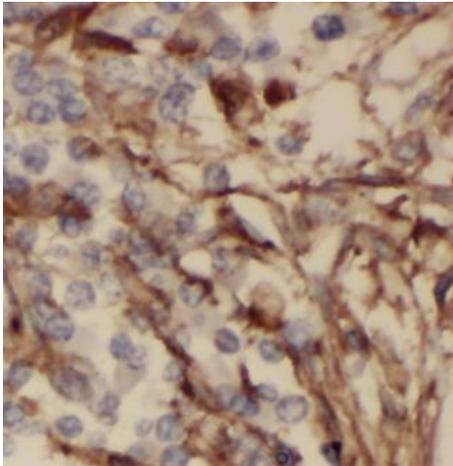
Reactivity:	Human, Mouse
Tested Application:	ELISA, WB, IHC, IF

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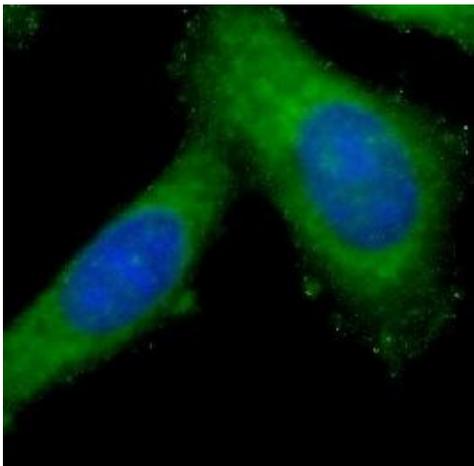
B9 Bld, High-Tech Medical Devices Park, No. 818 Gaoxin Ave. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Recommended dilution: WB: 1:500-1:1000; IHC: 1:20-1:200; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using FNab05234(MMP12 Antibody) at dilution of 1:50



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using FNab05234 (MMP12 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)

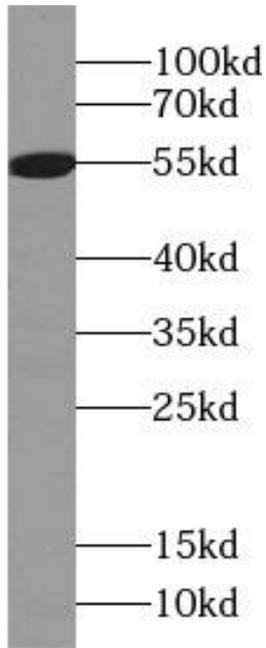
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mouse brain tissue were subjected to SDS PAGE followed by western blot with FNab05234(MMP12 Antibody) at dilution of 1:600