

For Research Use Only

MMP21 Polyclonal antibody

Catalog Number: 55289-1-AP **3 Publications**



Basic Information

Catalog Number: 55289-1-AP	GenBank Accession Number: NM_147191	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 118856	Recommended Dilutions: WB 1:500-1:1000 IF 1:20-1:200
Source: Rabbit	Full Name: matrix metalloproteinase 21	
Isotype: IgG	Calculated MW: 65 kDa	
	Observed MW: 67 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : mouse liver tissue, L02 cells IF : L02 cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

Background Information

MMP21 belongs to the peptidase M10A family. It may have an important and specific function in tumor progression and embryogenesis. It cleaves alpha-1-antitrypsin. The proenzyme without the signal peptide has a calculated molecular mass of 62 kD; following activation by furin, the processed enzyme has a calculated molecular mass of 49 kD(PMID:12617721),and MMP21 protein was detected in fetal neuroectoderm, in placenta, and in leukocytes(OMIM).This antibody is specific to MMP21.

Notable Publications

Author	Pubmed ID	Journal	Application
Xi-Ji Qin	36123719	Hum Genomics	WB
Jiangfan Zhou	35398966	Cancer Sci	WB,IHC
Kazuki Nakai	37923722	Nat Commun	IF

Storage

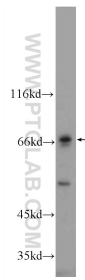
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

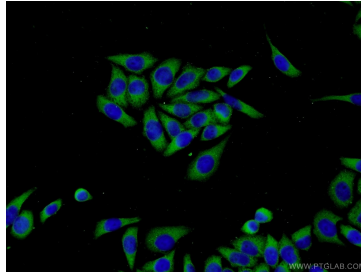
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 55289-1-AP (MMP21 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of L02 cells using 55289-1-AP (MMP21 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).