For Research Use Only

MMP2 Monoclonal antibody

Catalog Number:66366-1-lg Featured Product 80 Publications



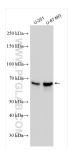
Basic Information	Catalog Number: 66366-1-lg	GenBank Accession Number: BC002576	Purification Method: Protein G purification	
	Size:	GenelD (NCBI):	CloneNo.:	
	150ul , Concentration: 1000 ug/ml by		2B10D1	
	Nanodrop and 510 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID: P08253	Recommended Dilutions: WB: 1:1000-1:6000	
	Source:	Full Name:	IHC: 1:150-1:600	
	Mouse Isotype: IgG1 Immunogen Catalog Number: AG25039	matrix metallopeptidase 2	FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension	
		(gelatinase A, 72kDa gelatinas 72kDa type IV collagenase)	se, 100 µr suspension	
		Calculated MW: 72 kDa		
		Observed MW: 55-74 kDa		
Applications	Tested Applications:	Positiv	Positive Controls:	
	WB, IHC, FC (Intra), ELISA Cited Applications:		251 cells, human placenta tissue, MCF-7 cells rt tissue, rat heart tissue, U-87 MG cells	
	WB, IHC, IF	IHC : hu	IHC : human breast cancer tissue,	
	Species Specificity: human, mouse, rat, pig	FC (Int	ra) : HeLa cells, PC-3 cells	
	Cited Species:			
	human, mouse, rat, pig			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
		in chrute		
Background Information	buffer pH 6.0 MMP2, also named as CLG4A, Gelatin ubiquitinous metalloproteinase that i angiogenesis, tissue repair, tumor inv myocardial oxidative stress by regula	ase Am, TBE-1 and PEX, belongs is involved in diverse functions rasion, inflammation, and ather ating the activity of GSK3beta. I rn blot analysis showed that the	such as remodeling of the vasculature, osclerotic plaque rupture. MMP2 contributes t t cleaves GSK3beta in vitro. MMP2 can be	
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

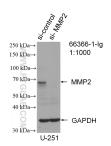
E: proteintech@ptglab.com W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

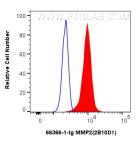
Selected Validation Data



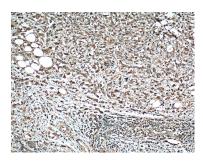
Various lysates were subjected to SDS PAGE followed by western blot with 66366-1-Ig (MMP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



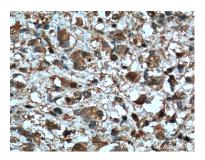
WB result of MMP2 antibody (66366-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MMP2 transfected U-251 cells.



1x10^6 HeLa cells were intracellularly stained with 0.4 ug MMP2 Monoclonal antibody (66366-1-1g, Clone:2B10D1) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG(I isotype control Mouse MCAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 66366-1-1g (MMP2 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 66366-1-1g (MMP2 antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).