For Research Use Only

## MMP2 Monoclonal antibody

Catalog Number:66366-1-lg Featured Product 75 Publications





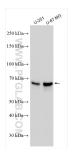
Basic Information	Catalog Number: 66366-1-1g	GenBank Accession Number: BC002576		Purification Method: Protein A purification	
	Size:	GenelD (NCBI):		CloneNo.:	
	150ul, Concentration: 1000 ug/ml by 4313			2B10D1	
	Nanodrop and 510 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID: P08253		Recommended Dilutions: WB 1:1000-1:6000	
	Source:	Full Name:		IHC 1:150-1:600	
	Mouse	Mousematrix metallopeptidase 2Isotype:(gelatinase A, 72kDa gelatinase,IgG172kDa type IV collagenase)Immunogen Catalog Number:Calculated MW:AG2503972 kDaObserved MW:55-74 kDa			
	<b>U U</b>				
Applications	Tested Applications:	Positive Controls:			
				ls, human placenta tissue, MCF-7 cell e, rat heart tissue, U-87 MG cells	
	WB, IHC, IF	I	IHC : human breast cancer tissue,		
	Species Specificity: human, mouse, rat, pig				
	Cited Species:				
	human, mouse, rat, pig				
	Note-IHC: suggested antigen retrieval with <u>TE buffer pH 9.0;</u> (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	MMP2, also named as CLG4A, Gelatin ubiquitinous metalloproteinase that i angiogenesis, tissue repair, tumor inv myocardial oxidative stress by regula cleaved into PEX chain(~60kd).Wester pro-MMP2 and the active enzyme,resp	s involved in diverse fur asion, inflammation, an ating the activity of GSK3 m blot analysis showed t	nctions such as d atherosclero ibeta. It cleave hat the 72 kDa	remodeling of the vasculature, tic plaque rupture. MMP2 contributes as 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)

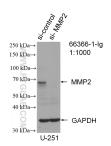
E: proteintech@ptglab.com W: ptglab.com

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

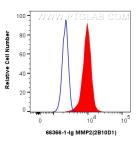
## Selected Validation Data



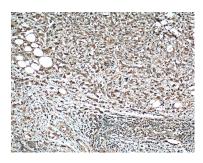
Various lysates were subjected to SDS PAGE followed by western blot with 66366-1-Ig (MMP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



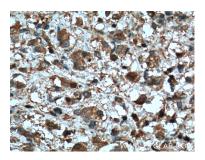
WB result of MMP2 antibody (66366-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MMP2 transfected U-251 cells.



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).