## For Research Use Only

## Collagen Type III Monoclonal antibody Catalog Number:68320-1-Ig 10 Publications

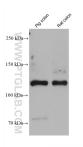


Basic Information	Catalog Number: 68320-1-lg	GenBank Accession Number: BC028178 GeneID (NCBI): y 1281 UNIPROT ID: P02461 Full Name: collagen, type III, alpha 1 Calculated MW: 1466 aa, 139 kDa		Purification Method: Protein G purification						
	Size: 150ul, Concentration: 1000 ug/ml by Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG4229			CloneNo.: 3B1F3 Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000						
					Observed MW:					
					130 kDa					
					Applications	Tested Applications:				
						WB, IHC, ELISA		WB: pig colo	ig colon tissue, human placenta tissue, human n tissue, rabbit large intestine tissue, rat colon	
						Cited Applications: WB, IHC, IF		rectum tissu tissue		
						Species Specificity: IHC : human ovary tumor tissue, huma				
		human, mouse, rat, pig, rabbit		•		rrhosis tissue, human placenta tissue, mous				
		Cited Species: skin tissue human, mouse, rat								
TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0										
Background Information	Type III collagen is a fibrillar-formin and throughout embryogenesis (PMII		ilt, type III colla	ains and is expressed in early embryos igen is a major component of the						
	I collagen (PMID: 2445760). COL3A1	gene encodes type III	procollagen. Mı	ost soft connective tissues along with tr utations in this gene are associated wit 2MID: 10706896; 2243125; 18389341).						
	I collagen (PMID: 2445760). COL3A1 Ehlers-Danlos syndrome type IV, and	gene encodes type III	procollagen. Mı al aneurysms (F	utations in this gene are associated wit						
	I collagen (PMID: 2445760). COL3A1 Ehlers-Danlos syndrome type IV, and Author Pub	gene encodes type III I with aortic and arteria med ID Journa	procollagen. Mı al aneurysms (F	utations in this gene are associated wit PMID: 10706896; 2243125; 18389341).						
Notable Publications	I collagen (PMID: 2445760). COL3A1 Ehlers-Danlos syndrome type IV, and Author Pub Yunxian Dong 394	gene encodes type III I with aortic and arteria med ID Journa 07227 J Nanc	procollagen. Mı al aneurysms (F al	utations in this gene are associated wit PMID: 10706896; 2243125; 18389341). Application						
	I collagen (PMID: 2445760). COL3A1 Ehlers-Danlos syndrome type IV, and Author Pub Yunxian Dong 394 Xuelian Yang 391	gene encodes type III I with aortic and arteria med ID Journa 07227 J Nanc 29313 Int J M	procollagen. Mu al aneurysms (F al al	utations in this gene are associated wit PMID: 10706896; 2243125; 18389341). Application IHC WB						
	I collagen (PMID: 2445760). COL3A1 Ehlers-Danlos syndrome type IV, and Author Pub Yunxian Dong 394 Xuelian Yang 391	gene encodes type III juith aortic and arteria med ID Journa 07227 J Nanc 29313 Int J M 68752 Int Im ter shipment.	procollagen. Mu al aneurysms (F al bbiotechnology Iol Med	utations in this gene are associated wit PMID: 10706896; 2243125; 18389341). Application IHC WB						

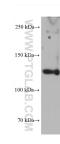
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

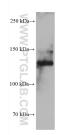
## Selected Validation Data



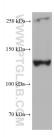
Various lysates were subjected to SDS PAGE followed by western blot with 68320-1-lg (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



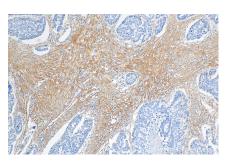
human placenta tissue were subjected to SDS PAGE followed by western blot with 68320-1-lg (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



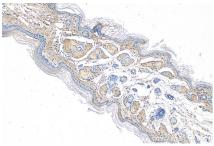
human rectum tissue were subjected to SDS PAGE followed by western blot with 68320-1-lg (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



rabbit large intestine tissue were subjected to SDS PAGE followed by western blot with 68320-1-1g (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



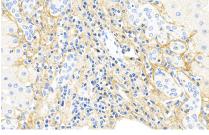
Immunohistochemical analysis of paraffinembedded human ovary tumor tissue slide using 68320-1-1g (COL3A1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



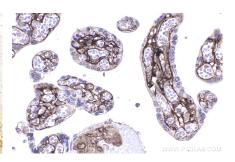
Immunohistochemical analysis of paraffinembedded mouse skin tissue slide using 68320-1-Ig (COL3A1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



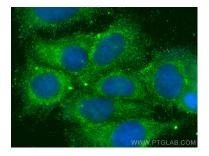
Immunohistochemical analysis of paraffinembedded human hepatocirrhosis tissue slide using 68320-1-Ig (COL3A1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human hepatocirrhosis tissue slide using 68320-1-Ig (COL3A1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human placenta tissue slide using 68320-1-Ig (COL3A1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using COL3A1 antibody (68320-1-lg, Clone: 3B1F3) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).