For Research Use Only

Collagen Type | Recombinant antibody Catalog Number:86093-1-RR

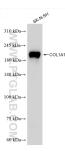


Basic Information	Catalog Number: 86093-1-RR	GenBank Accession Number: BC036531	Purification Method: Protein A purification	
	Concentration: 1000 µg/ml	GenelD (NCBI): 1277	CloneNo.: 250534B1	
	Source: Rabbit	UNIPROT ID: P02452	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:400-1:1600	
	Isotype: IgG	Full Name: collagen, type I, alpha 1		
	Immunogen Catalog Number: AG27389	Calculated MW: 1464 aa, 139 kDa		
		Observed MW: 140 kDa, 200kDa		
Applications	Tested Applications: WB, IHC, ELISA	Positive C	Positive Controls:	
	Species Specificity:		SH cells, an colon tissue, human colon cancer tissue	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
	retrieval may be performed			
Background Information	retrieval may be performed buffer pH 6.0 Type I collagen, the major structur abundant and widely expressed of heterotrimer comprising one alph and COL1A1 respectively. Mutatic Danlos syndrome type VIIA, Ehler This antibody raised against a syn type I collagen recognize collager of type I collagen was clearly dete presence of type I collagen was m	I with citrate ral component of connective tissues su ollagen in humans (PMID: 7620364; 86 a 2(I) and two alpha 1(I) chains which ons in COL1A1 are associated with ost s-Danlos syndrome Classical type, Ca thesized peptide corresponding to 12t a alpha-1(I) chain. The presence of unp ected only in static constructs. Indeed, ainly restricted to mature chains, sugg	uch as skin, tendon and bone, is the most 545190; 9016532). Type I collagen is a are encoded by the unlinked loci COL1A2 eogenesis imperfecta types I-IV, Ehlers- ffey Disease and idiopathic osteoporosis. 06-1218 aa of human pro-alpha 1 chain of processed, intermediate, and mature chain in sponges cultured under perfusion the gesting that HACs were no longer actively cular weight is 200kDa(PMID: 28526934).	

For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com T: 4006900926 W: ptgcn.com

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Selected Validation Data





Immunohistochemical analysis of paraffinembedded human colon tissue slide using 86093-1-RR (COL1A1 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 86093-1-RR (COL1A1 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

SK-N-SH cells were subjected to SDS PAGE followed by western blot with 86093-1-RR (COL1A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.