

For Research Use Only

COL3A1 Monoclonal antibody, PBS Only



Catalog Number: 68320-1-PBS

Basic Information

Catalog Number: 68320-1-PBS	GenBank Accession Number: BC028178	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 1281	CloneNo.: 3B1F3
Source: Mouse	UNIPROT ID: P02461	
Isotype: IgG1	Full Name: collagen, type III, alpha 1	
Immunogen Catalog Number: AG4229	Calculated MW: 1466 aa, 139 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC

Species Specificity:
Human, Rabbit, Pig, rat, mouse

Background Information

Type III collagen is a fibrillar-forming collagen comprising three $\alpha 1(\text{III})$ chains and is expressed in early embryos and throughout embryogenesis (PMID: 9050868). In the adult, type III collagen is a major component of the extracellular matrix in a variety of internal organs and skin. It occurs in most soft connective tissues along with type I collagen (PMID: 2445760). COL3A1 gene encodes type III procollagen. Mutations in this gene are associated with Ehlers-Danlos syndrome type IV, and with aortic and arterial aneurysms (PMID: 10706896; 2243125; 18389341).

Storage

Storage:
Store at -80°C .

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

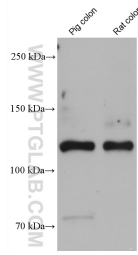
T: 4006900926

E: Proteintech-CN@ptglab.com

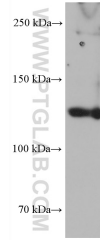
W: ptgcn.com

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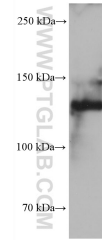
Selected Validation Data



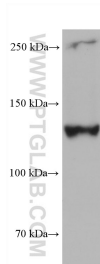
Various lysates were subjected to SDS PAGE followed by western blot with 68320-1-Ig (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68320-1-PBS in a different storage buffer formulation.



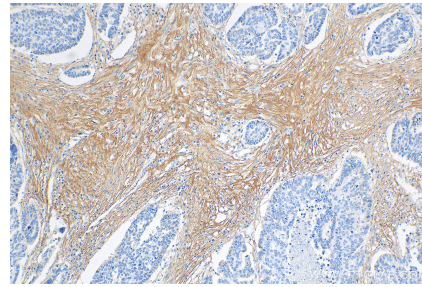
human placenta tissue were subjected to SDS PAGE followed by western blot with 68320-1-Ig (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68320-1-PBS in a different storage buffer formulation.



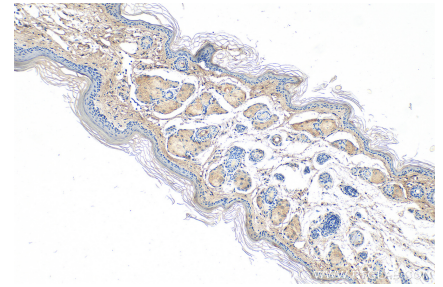
human rectum tissue were subjected to SDS PAGE followed by western blot with 68320-1-Ig (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68320-1-PBS in a different storage buffer formulation.



rabbit large intestine tissue were subjected to SDS PAGE followed by western blot with 68320-1-Ig (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68320-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 68320-1-Ig (COL3A1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68320-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded 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). This data was developed using the same antibody clone with 68320-1-PBS in a different storage buffer formulation.