

Allgemeine Informationen

Katalog-Nr.: 68320-1-Ig	GenBank-Zugangsnummer: BC028178	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul, Konzentration: 1000 µg/ml von 1281 Nanodrop;	GeneID (NCBI): Vollständiger Name: collagen, type III, alpha 1	CloneNo.: 3B1F3
Wirt: Maus	Berechnete Masse: 1466 aa, 139 kDa	Empfohlene Verdünnungen: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotyp: IgG1	Beobachtete Masse: 130 kDa	
Immunogen Katalognummer: AG4229		

Anwendungen

Geprüfte Anwendungen: IHC, WB, ELISA	Positivkontrollen:
In Publikationen genannte Anwendungen: WB	WB : Hausschwein-Kolongewebe, humanes Plazenta-Gewebe, humanes Rektumgewebe, Rattenhautgewebe, Ratten-Kolongewebe
Getestete Reaktivität: Human	IHC : humanes Ovarialkarzinomgewebe,
Zitierte Arten: Human	
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Karolina Wojtowicz	37088000	Biochem Biophys Res Commun	WB

Lagerung

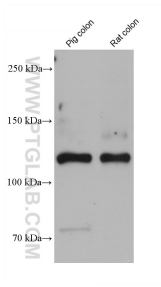
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

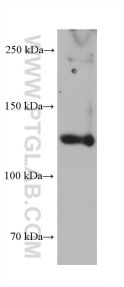
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

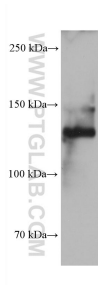
Ausgewählte Validierungsdaten



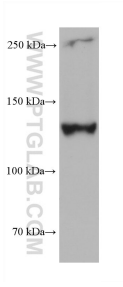
Various lysates were subjected to SDS PAGE followed by western blot with 68320-1-Ig (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



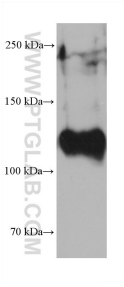
human placenta tissue were subjected to SDS PAGE followed by western blot with 68320-1-Ig (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



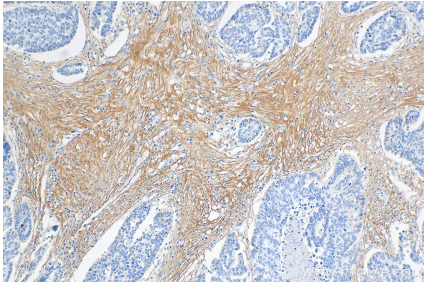
human rectum tissue were subjected to SDS PAGE followed by western blot with 68320-1-Ig (COL3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.



rat skin 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.



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).