

# Collagen IV Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Bovine, Human, Mammal, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Collagen Type IV from human and bovine placenta
Form	Liquid
Concentration	1.17 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.02M potassium phosphate, pH 7.2, with 0.15M NaCl
Contains	0.01% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_1956972

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:10,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	1 Publication
Immunocytochemistry (ICC/IF)	-	0 Publication
ELISA (ELISA)	1:5,000-1:50,000	-
Immunoprecipitation (IP)	1:100	1 Publication

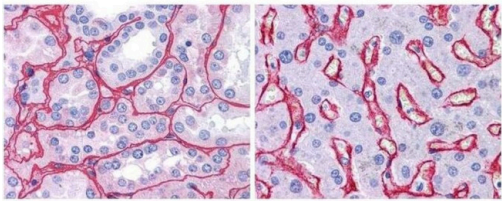
## Product Specific Information

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For Collagen IV Polyclonal Antibody

Collagen IV Antibody (PA1-28534) in IHC (P)

Immunohistochemistry analysis of Collagen IV was performed in human kidney, glomeruli and liver tissues using Collagen IV Polyclonal Antibody (Product # PA1-28534) at a dilution of 1:400 for 45 minutes a room temperature. The antibody showed strong staining in FFPE sections of human kidney (Left) with strong red staining observed in glomeruli and liver (Right) with strong staining in sinusoids. Staining for both tissues was consistent with a basement membrane distribution. Slides were steamed in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes for antigen retrieval.



3 References

Immunohistochemistry (1)

Journal of immunology research	Year
Inflammatory-Driven Angiogenesis in Bone Augmentation with Bovine Hydroxyapatite, B-Tricalcium Phosphate, and Bioglasses: A Comparative Study.	2018
"Published figure using Collagen IV polyclonal antibody (Product # PA1-28534) in Immunohistochemistry"	
Authors: Anghelescu VM,Neculae I,Dinc O,Vldan C,Socoliuc C,Cioplea M,Nichita L,Popp C,Zurac S,Bucur A	

Immunohistochemistry (Paraffin) (1)

Acta biomaterialia	Year
Microporous scaffolds support assembly and differentiation of pancreatic progenitors into -cell clusters.	2019
"PA1-28534 was used in Immunohistochemistry (Paraffin) to investigate whether the assembly of pancreating progenitors into clusters to influence maturation can be guided by pores."	
Authors: Youngblood RL,Sampson JP,Lebioda KR,Shea LD	
	Species
	Human
	Dilution
	1:250

Immunoprecipitation (1)

Nature cell biology	Year
Cell-cell adhesion and 3D matrix confinement determine jamming transitions in breast cancer invasion.	2020
"PA1-28534 was used in Immunoprecipitation to indicate that cadherins and extracellular matrix confinement cooperate to determine unjamming transitions and stepwise epithelial fluidization towards, ultimately, cell individualization."	
Authors: Ilina O,Gritsenko PG,Syga S,Lippoldt J,La Porta CAM,Chepizhko O,Grosser S,Vullings M,Bakker GJ,Starruß J, Bult P,Zapperi S,Käs JA,Deutsch A,Friedl P	
	Species
	Human
	Dilution
	1:200

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.