

# Collagen Pan Polyclonal Antibody

## Product Details

Size	50 µg
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A mixture of human collagen 1-5 from human placenta.
Form	Lyophilized
Concentration	0.1 mg/mL
Purification	Affinity chromatography
Storage buffer	BBS, pH 7.5, with 1% mannitol, 1% dextran
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_930067

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	1:10-1:40	-
Immunocytochemistry (ICC/IF)	1:10-1:40	-
ELISA (ELISA)	1:2,000-1:8,000	-

## Product Specific Information

Reconstitute with 0.5 mL distilled water.

PA1-85324 detects Collagen I,II,III,IV,V in human samples. Reactivity with collagens 1 and 2 is ~70% as strong as that with 3-5. Reactivity with human fibronectin, albumin, and immunoglobulins is <0.5%.

Rabbit anti Human collagen I/II/III/IV/V antibody recognizes multiple collagen types and exhibits the following reactivities in ELISA with both native and denaturated human collagen types: I & III 100%, IV & V 90%, II 80%, Human fibronectin, albumin and immunoglobulins all <0.5%.

Immunohistochemistry (1)

Thyroid : official journal of the American Thyroid Association	Year 2019
<b>GLIS Rearrangement is a Genomic Hallmark of Hyalinizing Trabecular Tumor of the Thyroid Gland.</b>	Species Human
"PA1-85324 was used in Immunohistochemistry to apply genome-wide sequencing analyses to elucidate the genetic mechanisms of hyalinizing trabecular tumor (HTT) and its relationship to papillary thyroid carcinoma (PTC)."	Dilution 1:100
Authors: Nikiforova MN,Nikitski AV,Panebianco F,Kaya C,Yip L,Williams M,Chiosea SI,Seethala RR,Roy S,Condello V, Santana-Santos L,Wald AI,Carty SE,Ferris RL,El-Naggar AK,Nikiforov YE	

Immunohistochemistry (Paraffin) (1)

Nature communications	Year 2022
<b>Periarteriolar spaces modulate cerebrospinal fluid transport into brain and demonstrate altered morphology in aging and Alzheimer's disease.</b>	Species Mouse
"PA1-85324 was used in Immunohistochemistry-paraffin-immunofluorescence to show that PVS morphology in mice is variable and that the structure and function of pia suggests a previously unrecognized role in regulating CSF transport and amyloid clearance in aging and disease."	
Authors: Mestre H,Verma N,Greene TD,Lin LA,Ladron-de-Guevara A,Sweeney AM,Liu G,Thomas VK,Galloway CA,de Mesy Bentley KL,Nedergaard M,Mehta RI	

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