Datasheet for ABIN135052

anti-Collagen IV antibody

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Overview

Quantity:	0.2 mg
Target:	Collagen IV (COL4)
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Application:	ELISA

Product Details

Isotype:	IgG
Specificity:	Reacts with conformational determinants on type IV collagen Referenced species reactivities include - Human 1,12,14,27,29,31,34,36 Chicken 5,13,15 Porcine 11,22,25 Mouse 4,5,7,8,30,32 Chinchilla 17 Rabbit 5,6,14,20,23 Rat 2,3,10,26,27,33,35 Equine 18,28 Sheep 24 Bovine 5,24 Guinea Pig 14 Tree Shrew 21 Canine 9,19 Japanese Macaque 16
Cross-Reactivity (Details):	Exhibits < 10 % cross reactivity with collagen type II, III, IV, V and VI. The antibody has not been tested for reactivity with other ECM proteins (e.g., laminin, fibronectin).
Characteristics:	Goat Anti-Type IV Collagen-UNLB
Purification:	**Purification Method:** Affinity chromatography on type IV collagen covalently linked to agarose.

Target Details

Target:	Collagen IV (COL4)
Alternative Name:	Type IV Collagen (COL4 Products)

Application Details

Application Notes:	• **Applications:** Quality tested applications include - ELISA , FLISA • Other referenced applications include - IHC-PS , IHC-FS , ICC , EM , FC , WB , IP • **Working Dilutions:** ELISA BIOT conjugate 1:1,000 - 1:4,000 FLISA AF488 conjugate 1:200 - 1:400
Sample Volume:	0,5 mL
Restrictions:	For Research Use only

Handling

Concentration:	0.4 mg/mL
Buffer:	0.2 mg of purified immunoglobulin in 0.5 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added
Preservative:	Without preservative
Handling Advice:	Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C
Storage Comment:	Store at 2-8°C

Publications

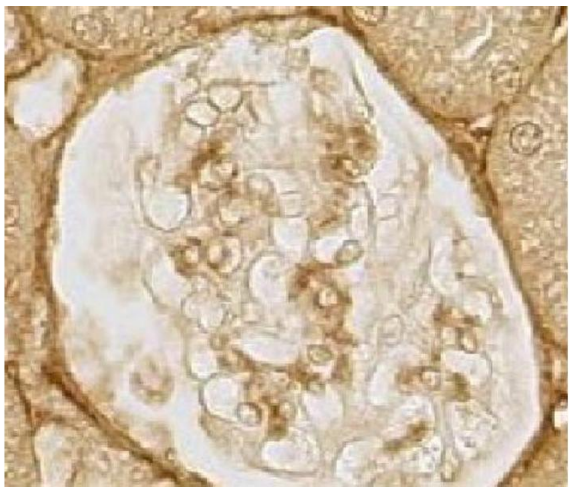
Product cited in:	Tonello, Lee, Berta: "Monoclonal Antibody Targeting the Matrix Metalloproteinase 9 Prevents and Reverses Paclitaxel-Induced Peripheral Neuropathy in Mice." in: **The journal of pain : official journal of the American Pain Society**, Vol. 20, Issue 5, pp. 515-527, (2020) (PubMed). Zaitoun, Cikla, Zafer, Udho, Almomani, Suscha, Cengiz, Sorenson, Sheibani: "Attenuation of Retinal Vascular Development in Neonatal Mice Subjected to Hypoxic-Ischemic Encephalopathy." in: **Scientific reports**, Vol. 8, Issue 1, pp. 9166, (2019) (PubMed). Singh, Houng, Reed: "Matrix Metalloproteinase-9 Mediates the Deleterious Effects of α2-Antiplasmin on Blood-Brain Barrier Breakdown and Ischemic Brain Injury in Experimental Stroke." in: **Neuroscience**, Vol. 376, pp. 40-47, (2019) (PubMed). Fisslthaler, Zippel, Abdel Malik, Delgado Lagos, Zukunft, Thoele, Siuda, Soehnlein, Wittig, Heidler, Weigert, Fleming: "Myeloid-Specific Deletion of the AMPKα2 Subunit Alters Monocyte Protein Expression and Atherogenesis." in: **International journal of molecular sciences**, Vol. 20, Issue 12, (2019) (PubMed).

Publications

Dias, Kim, Holl, Werne Solnestam, Lundeberg, Carlén, Göritz, Frisén: "Reducing Pericyte-Derived Scarring Promotes Recovery after Spinal Cord Injury." in: **Cell**, Vol. 173, Issue 1, pp. 153-165.e22, (2019) (PubMed).

There are more publications referencing this product on: Product page

Images



Immunohistochemistry

Image 1. Paraffin embedded rat kidney section was stained with Goat Anti-Type IV Collagen-UNLB