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Datasheet for ABIN669951

anti-COL18A1 antibody (AA 1581-1680)

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Overview

Quantity:	100 µL
Target:	COL18A1
Binding Specificity:	AA 1581-1680
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL18A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human COL18A1/Endostatin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	COL18A1
Alternative Name:	COL18A1 (COL18A1 Products)

Target Details

Background: Synonyms: KS, KNO, KNO1, Collagen alpha-1(XVIII) chain, COL18A1
Background: COLA18A probably plays a major role in determining the retinal structure as well as in the closure of the neural tube. Endostatin potently inhibits endothelial cell proliferation and angiogenesis. May inhibit angiogenesis by binding to the heparan sulfate proteoglycans involved in growth factor signaling.

Gene ID: 80781

UniProt: [P39060](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

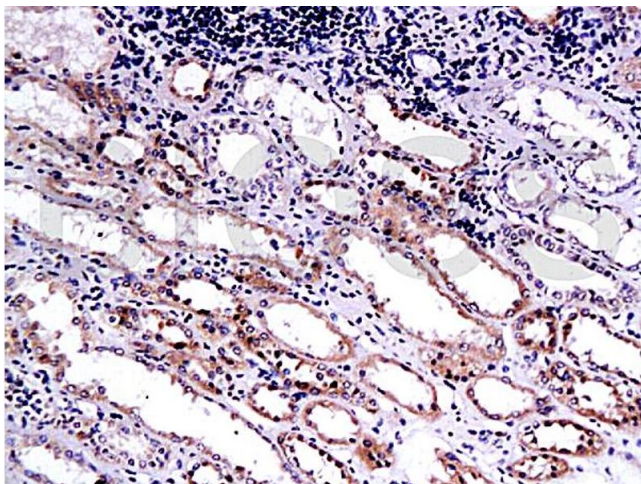
Product cited in: Imoto, Kumatani, Okada, Yamawaki: "Endostatin is protective against monocrotaline-induced

right heart disease through the inhibition of T-type Ca(2+) channel." in: **Pflügers Archiv : European journal of physiology**, Vol. 468, Issue 7, pp. 1259-70, (2016) ([PubMed](#)).

Hu, Hu, Zhang, Jia, Qian, Yang, Li: "Clinical significance of serum and tumor tissue endostatin evaluation in operable non-small cell lung cancer." in: **Biomedical reports**, Vol. 2, Issue 6, pp. 898-904, (2014) ([PubMed](#)).

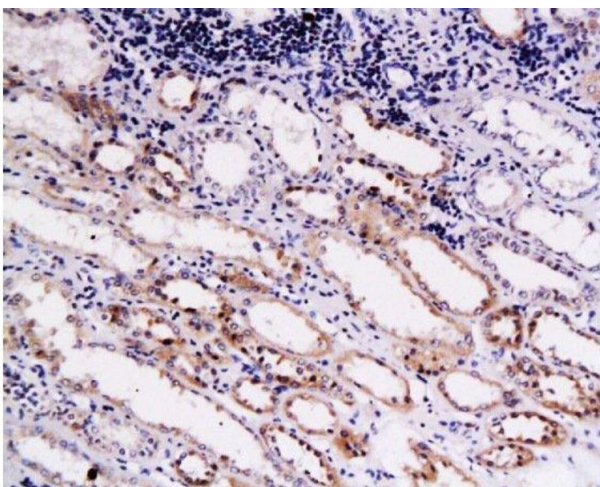
Gao, Zhao, Liang, Li, Cao, Liu: "Effect of peritoneal dialysis on expression of vascular endothelial growth factor, basic fibroblast growth factor and endostatin of the peritoneum in peritoneal dialysis patients." in: **Nephrology (Carlton, Vic.)**, Vol. 16, Issue 8, pp. 736-42, (2011) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human kidney carcinoma labeled with Anti-Endostatin Polyclonal Antibody (ABIN669951), Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human kidney carcinoma labeled with Anti-Endostatin Polyclonal Antibody , Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining