

Datasheet for ABIN671646
anti-Fibronectin antibody (AA 1201-1300)

7 Images

13 Publications

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Overview

Quantity:	100 µL
Target:	Fibronectin
Binding Specificity:	AA 1201-1300
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fibronectin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Fibronectin
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Predicted Reactivity:	Dog
Purification:	Purified by Protein A.

Target Details

Target:	Fibronectin
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Target Details

Abstract: [Fibronectin Products](#)

Background: Synonyms: Fn, Fn-1, E332719, Fibronectin, Fn1
Background: Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization. Participates in the regulation of type I collagen deposition by osteoblasts. Anastellin binds fibronectin and induces fibril formation. This fibronectin polymer, named superfibronectin, exhibits enhanced adhesive properties. Both anastellin and superfibronectin inhibit tumor growth, angiogenesis and metastasis. Anastellin activates p38 MAPK and inhibits lysophospholipid signaling (By similarity).

Gene ID: 14268

UniProt: [P11276](#)

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
ICC 1:100-500

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.

Handling

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: Miyauchi, Yasuchika, Fukumitsu, Ishii, Ogiso, Minami, Kojima, Yamaoka, Katayama, Kawai, Yoshitoshi-Uebayashi, Kita, Yasuda, Sasaki, Uemoto: "A novel three-dimensional culture system maintaining the physiological extracellular matrix of fibrotic model livers accelerates progression of hepatocellular carcinoma cells." in: **Scientific reports**, Vol. 7, Issue 1, pp. 9827, (2017) ([PubMed](#)).

Yang, Li, Qi, Li, Zhou, Qing, Zhang, Gao: "lncRNA H19 is involved in TGF-β1-induced epithelial to mesenchymal transition in bovine epithelial cells through PI3K/AKT Signaling Pathway." in: **PeerJ**, Vol. 5, pp. e3950, (2017) ([PubMed](#)).

Liu, Xiao: "Notch1 signaling induces epithelial-mesenchymal transition in lens epithelium cells during hypoxia." in: **BMC ophthalmology**, Vol. 17, Issue 1, pp. 135, (2017) ([PubMed](#)).

Elmas, Erbas, Yigitturk: "The efficacy of Aesculus hippocastanum seeds on diabetic nephropathy in a streptozotocin-induced diabetic rat model." in: **Biomedicine & pharmacotherapy**, Vol. 83, pp. 392-396, (2016) ([PubMed](#)).

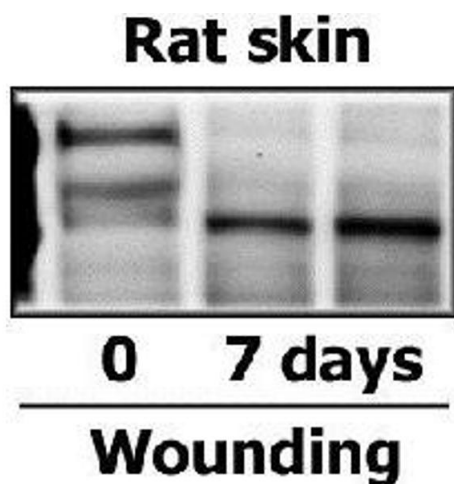
Kang, Baik, Yoo, Kim, Cheong, Park, Kang, Ha: "Aliskiren Regulates Neonatal Fc Receptor and IgG Metabolism with Attenuation of Anti-GBM Glomerulonephritis in Mice." in: **Nephron**, Vol. 134, Issue 4, pp. 272-282, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



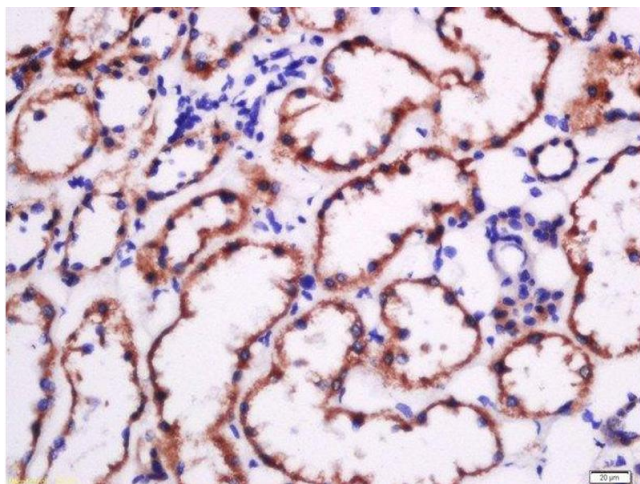
Immunofluorescence

Image 1. Formalin-fixed and rat pancreas tissue labeled with Anti-FN/Fibronectin 1 Polyclonal Antibody, Unconjugated (ABIN671646) at 1:200 followed by conjugation to the secondary antibody, Goat Anti-Rabbit IgG, PE conjugated



Western Blotting

Image 2. Image kindly submitted by Edita Aksamitiene as part of the free sample program. Rat skin lysates probed with Rabbit Anti-Fibronectin Polyclonal Antibody at 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded human kidney tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-Fibronectin Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN671646.