

Datasheet for ABIN674829

**anti-VEGF antibody**

9 Images

2 Publications

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## Overview

Quantity:	100 µL
Target:	VEGF
Reactivity:	Human, Mouse, Rat, Pig, Dog, Cow, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human VEGF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Chicken,Pig
Purification:	Purified by Protein A.

## Target Details

Target:	VEGF
Alternative Name:	VEGF ( <a href="#">VEGF Products</a> )
Background:	Synonyms: Vascuoar endothelial growth factor A, VEGF A, vascular endothelial growth factor A

## Target Details

isoform 2 precursor, MGC70609, MVCD1, VEGF, VPF, VEGFA\_HUMAN, VEGF-A, Vascular permeability factor (VPF),

Background: This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms. Function : Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. NRP1/Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to KDR but does not activate downstream signaling pathways, does not activate angiogenesis and inhibits tumor growth.

Molecular Weight: 23kDa

Gene ID: 7422

UniProt: [P15692](#)

## Application Details

Application Notes: WB (1:100-500),IHC-P (1:100-500),IF (p) (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: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

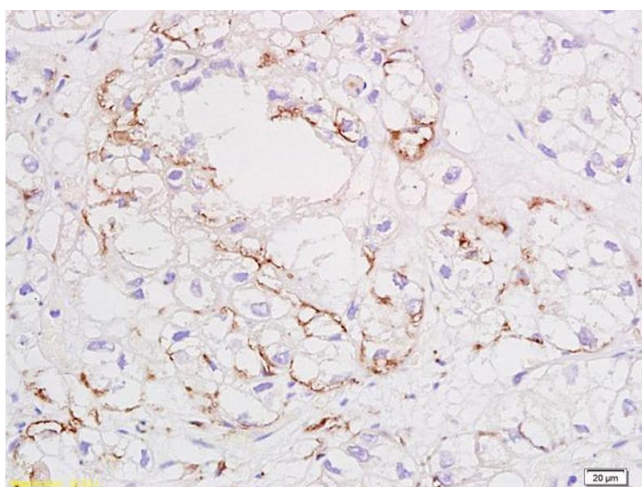
Expiry Date: 12 months

## Publications

Product cited in: Gao, Wen, Yang, Lu, Tong, Huang, Liu, Tang: "Celecoxib ameliorates portal hypertension of the cirrhotic rats through the dual inhibitory effects on the intrahepatic fibrosis and angiogenesis." in: **PLoS ONE**, Vol. 8, Issue 7, pp. e69309, (2013) ([PubMed](#)).

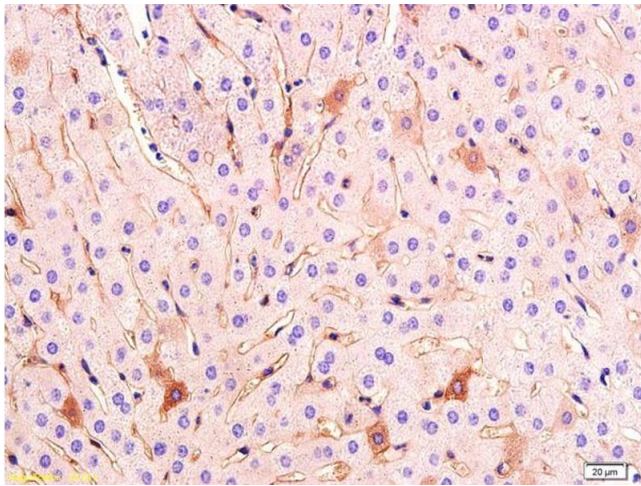
Lv, Xu, Zhang, Wang, Wang, He, Wang: "Repeated abortion affects subsequent pregnancy outcomes in BALB/c mice." in: **PLoS ONE**, Vol. 7, Issue 10, pp. e48384, (2012) ([PubMed](#)).

## Images



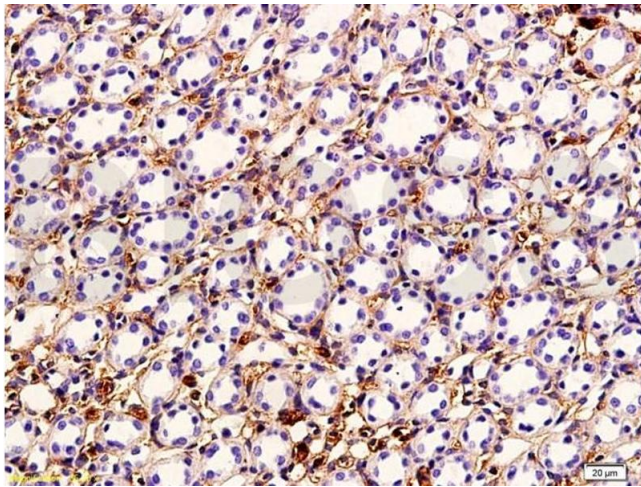
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human colon carcinoma tissue labeled with Anti VEGF Polyclonal Antibody, Unconjugated (ABIN674829) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



#### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rabbit liver tissue labeled with Anti VEGF Polyclonal Antibody, Unconjugated (ABIN674829) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



#### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded rabbit kidney tissue labeled with Anti-VEGF Polyclonal Antibody, Unconjugated (ABIN674829) followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN674829.