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anti-VEGFA antibody (AA 81-132)

3 Images

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Publications



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Quantity:	100 μL
Target:	VEGFA
Binding Specificity:	AA 81-132
Reactivity:	Human, Rat, Mouse, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

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

Target Details

Target: VEGFA

Target Details	
Alternative Name:	VEGF-A (VEGFA Products)
Background:	Synonyms: VPF, VEGF, MVCD1, Vascular endothelial growth factor A, VEGF-A, Vascular
	permeability factor, VEGFA
	Background: 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.
Gene ID:	7422
UniProt:	P15692
Pathways:	RTK Signaling, Glycosaminoglycan Metabolic Process, Regulation of Cell Size, Tube Formation,
	Signaling Events mediated by VEGFR1 and VEGFR2, Platelet-derived growth Factor Receptor
	Signaling, VEGFR1 Specific Signals, VEGF Signaling
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.

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

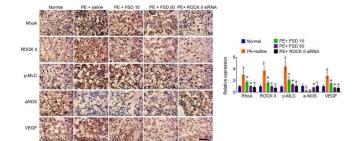
Publications

Product cited in:

Li, Li, Sun, Zhou, Li, Feng, Xie: "Dual character of flavonoids in attenuating and aggravating ischemia-reperfusion-induced myocardial injury." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 2, pp. 1307-1314, (2017) (PubMed).

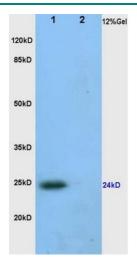
Gu, Feng, Yu, Yuan, Yin, Ding, Zhao, Xu, Xu, Che: "Fasudil attenuates soluble fms-like tyrosine kinase-1 (sFlt-1)-induced hypertension in pregnant mice through RhoA/ROCK pathway." in: **Oncotarget**, Vol. 8, Issue 61, pp. 104104-104112, (2017) (PubMed).

Images



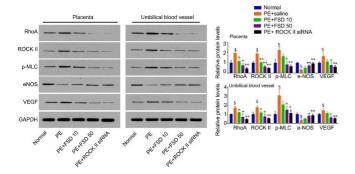
Immunohistochemistry

Image 1. IHC analyzes the expression of RhoA, ROCK, p-MLC, eNOS and VEGF in placenta from PE miceRepresentative images of IHC staining for RhoA, ROCK, p-MLC, eNOS and VEGF (left), and quantification (right). Bar=50 μm, magnification, 200x. Number of animal for each group=8. Data were expressed as mean ± standard error. ANOVA with post hoc Tukey's test was used for statistical analyses. \$p<0.05 vs. Normal. *p<0.05, **p<0.01 vs. PE+saline group. - figure provided by CiteAb. Source: PMID29262624



SDS-PAGE

Image 2. L1 human colon carcinoma, L2 rat heart lysates probed (ABIN872390) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted and observed band size: 24kDa.



Western Blotting

Image 3. Fasudil regulates the expression of RhoA, ROCK, p-MLC, eNOS and VEGF in placenta and umbilical vessel from PE miceWestern blot analysis for RhoA, ROCK, p-MLC, eNOS and VEGF in mice placenta and umbilical vessel, and quantification. Number of animal for each group=8. Data were expressed as mean ± standard error. ANOVA with post hoc Tukey's test was used for statistical analyses. \$p<0.05 vs. Normal. *p<0.05, **p<0.01 vs. PE+saline group. - figure provided by CiteAb. Source: PMID29262624