10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

VEGFD Rabbit mAb

Catalog # AP76244

Product Information

Application	WB, IHC-P, FC
Primary Accession	O43915
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	40444

Additional Information

Gene ID	2277
Other Names	VEGFD
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:100-1:500
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

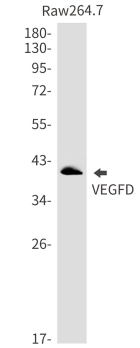
Protein Information

Name	VEGFD (HGNC:3708)
Synonyms	FIGF
Function	Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.
Cellular Location	Secreted.
Tissue Location	Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas

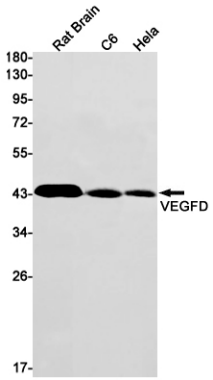
Background

VEGFD is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C.

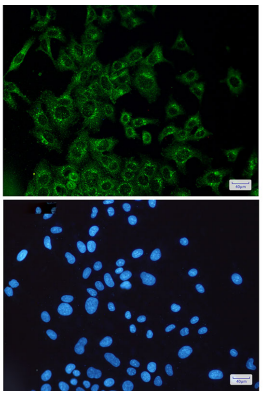
Images



Western blot analysis of VEGFD in Raw264.7 lysates using VEGFD antibody.

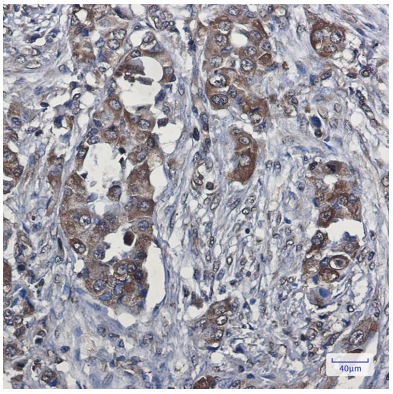


Western blot analysis of VEGFD in rat Brain, C6, Hela lysates using VEGFD antibody.



Immunocytochemistry analysis of VEGFD(green) in Hela using VEGFD antibody,and DAPI(blue)

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using VEGFD antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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