

Recombinant Anti-VEGFD Rabbit mAb

Catalog # AP95349

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	O43915
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	40444

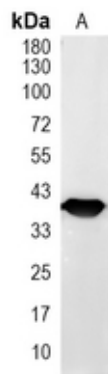
Additional Information

Gene ID	2277
Other Names	VEGFD; Vascular endothelial growth factor D; VEGF-D; c-Fos-induced growth factor; FIGF
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human VEGFD protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

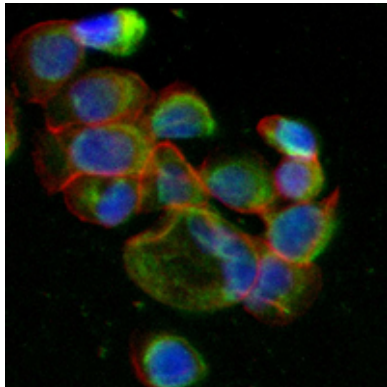
Protein Information

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

Images



Western blot analysis of VEGFD expression in Caco2 (A) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 40 kD)



Immunofluorescent analysis of VEGFD staining in Caco2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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