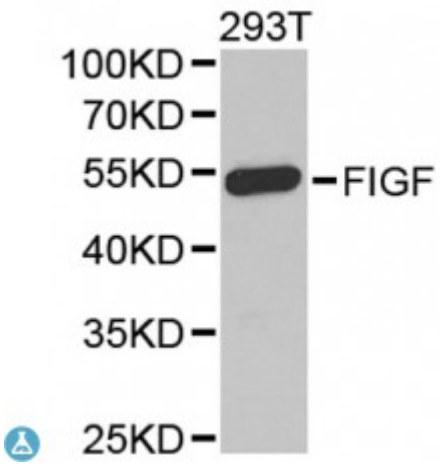
Anti-VEGFD Antibody



Description	The protein encoded by this gene 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. Read-through transcription has been observed between this locus and the upstream PIR (GeneID 8544) locus.
Model	STJ115576
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-220 of human FIGF (NP_004460.1).
Gene ID	2277
Gene Symbol	VEGFD
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Vascular endothelial growth factor D VEGF-D c-Fos-induced growth factor FIGF
Molecular Weight	40.444 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:3708OMIM:300091Reactome:R-HSA-114608
Alternative Names	Vascular endothelial growth factor D VEGF-D c-Fos-induced growth factor 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 Localization	Secreted
Post-translational Modifications	Undergoes a complex proteolytic maturation which generates a variety of processed secreted forms with increased activity toward VEGFR-3 and VEGFR-2, VEGF-D first form an antiparallel homodimer linked by disulfide bonds before secretion, The fully processed VEGF-D is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent interactions,