ARG58713
anti-VEGFD antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes VEGFD
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	VEGFD
Species	Human
Immunogen	Recombinant protein corresponding to F89-R205 of Human VEGFD.
Conjugation	Un-conjugated
Alternate Names	Vascular endothelial growth factor D; VEGFD; c-Fos-induced growth factor; FIGF; VEGF-D

Application Instructions

Application table

Application	Dilution
IHC-P	0.5 - 1 µg/ml
WB	0.1 - 0.5 µg/ml

Application Note: IHC-P: Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

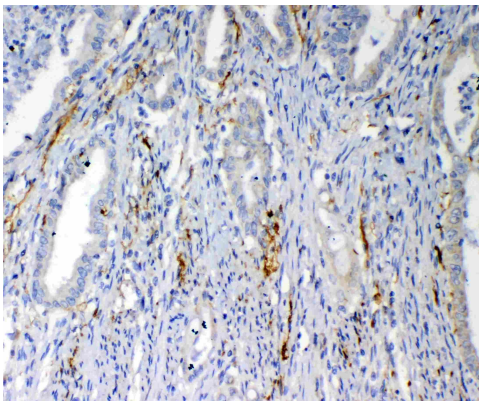
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

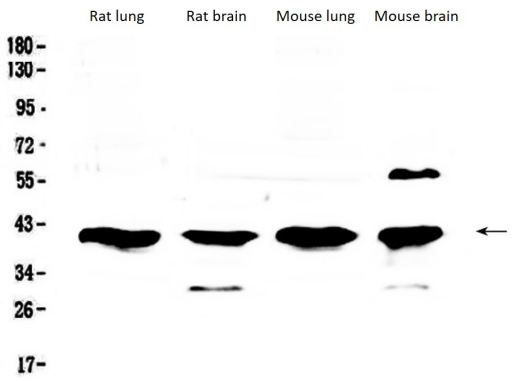
Gene Symbol	FIGF
Gene Full Name	c-fos induced growth factor (vascular endothelial growth factor D)
Background	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and 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. [provided by RefSeq, Feb 2011]
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. [UniProt]
Calculated Mw	40 kDa
PTM	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. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



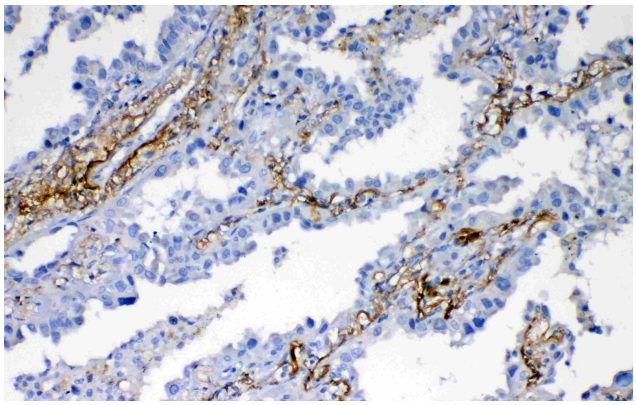
ARG58713 anti-VEGFD antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% Goat serum. The tissue section was then stained with 1 µg/ml ARG58713 anti-VEGFD antibody overnight at 4°C.



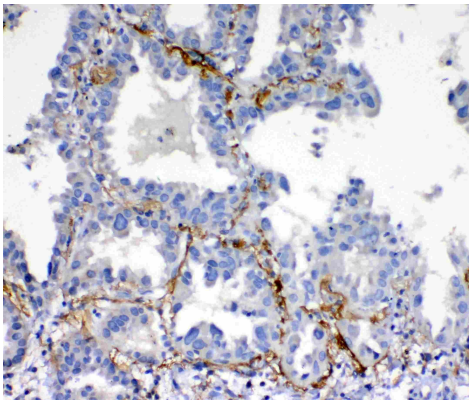
ARG58713 anti-VEGFD antibody WB image

Western blot: 50 µg of Rat lung, Rat brain, Mouse lung and Mouse brain tissue lysates stained with ARG58713 anti-VEGFD antibody at 0.5 µg/ml overnight at 4°C, under reducing conditions.



ARG58713 anti-VEGFD antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% Goat serum. The tissue section was then stained with 1 µg/ml ARG58713 anti-VEGFD antibody overnight at 4°C.



ARG58713 anti-VEGFD antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% Goat serum. The tissue section was then stained with 1 µg/ml ARG58713 anti-VEGFD antibody overnight at 4°C.