



Rabbit Anti-VEGF-D antibody

SL10259R

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| Product Name: | VEGF-D |
| Chinese Name: | 血管内皮生长因子D型抗体 |
| Alias: | Vascular Endothelial Growth Factor D; VEGFD; VEGF D; FIGF; VEGFD_HUMAN; VEGF-D; c-Fos-induced growth factor. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Horse, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 39kDa |
| Cellular localization: | Secretory protein |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human VEGF-D:151-250/354 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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 (Flk1) and VEGFR-3 (Flt4) receptors. [SUBUNIT] Homodimer; non-covalent and antiparallel.

Subunit:

Homodimer; non-covalent and antiparallel.

Subcellular Location:

Secreted.

Tissue Specificity:

Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas.

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.

Similarity:

Belongs to the PDGF/VEGF growth factor family.

SWISS:

O43915

Gene ID:

2277

Database links:

[Entrez Gene: 2277](#)Human

[Entrez Gene: 14205](#)Mouse

[Entrez Gene: 360457](#)Rat

[Oimim: 300091](#)Human

[SwissProt: O43915](#)Human

[SwissProt: P97946](#)Mouse

[SwissProt: O35251](#)Rat

[Unigene: 11392](#)Human

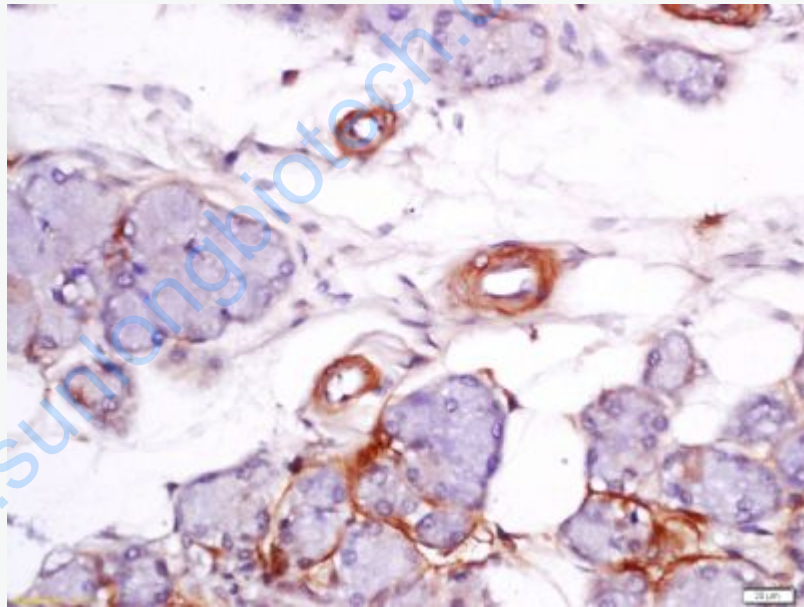
[Unigene: 297978](#)Mouse

[Unigene: 10796](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Tissue/cell: human parotid tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-VEGF-D Polyclonal Antibody, Unconjugated(SL10259R) 1:200,

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| | overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining |
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