

VEGFA Recombinant antibody

Cat:B22002L

Company: HaoKebio

Uniprot ID:P15692

Applications: IHC:1:50-1:200

Organism:Rabbit

IHC-Polymer:1:200-1:800

Species reactivity:Human Mouse Rat

IHC-TSA:1:250-1:1000

Molecular Weight Calculation: 412 aa, 46 kDa

WB:1:500-1:2000

Observed Molecular Weight: 40 kDa

Background:

VEGFA, also named as VEGF or VPF, belongs to the PDGF/VEGF growth factor family. It is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. VEGFA induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. It binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. Defects in VEGFA are associated with microvascular complications of diabetes type 1 (MVCD1). VEGFA has 17 isoforms with MW from 16 to 45 kDa. Some isoforms have homodimer forms (e.g.; VEGFA189 38 kDa or VEGFA110 34 kDa). VEGF-A exists in at least seven homodimeric isoforms. The monomers consist of 121, 145, 148, 165, 183, 189, or 206 amino acids.

Protein full name:

vascular endothelial growth factor A

Synonyms:

VEGF, 7H10, L-VEGF, N-VEGF, Vascular Endothelial Growth Factor

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm,Secretory

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

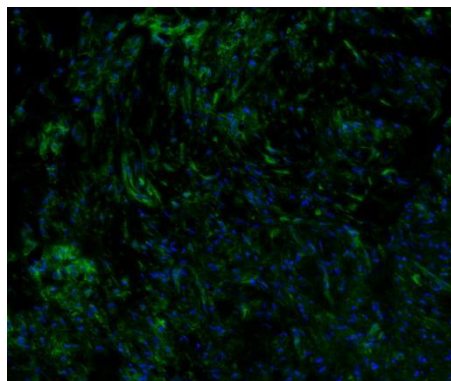
Storage:

Store at -20 °C for one year.

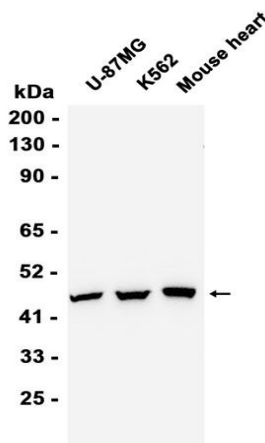
Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse tumor, 4% PFA 12-24h



Dilution of 1:5000 incubated at room temperature for 1.5 hours.

Source of Reagents:

发表[中文论文]请标注:VEGFA(B22002L)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:VEGFA(B22002L) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.