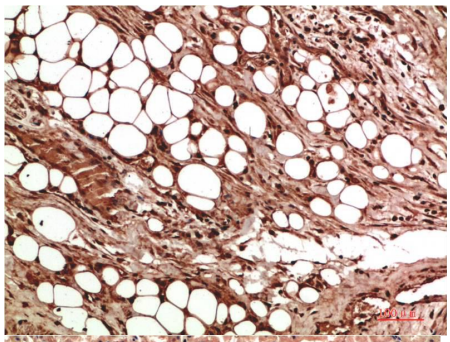
ELK Biotechnology

VEGF Rabbit pAb
Catalog NO.: EA320
For research use only.

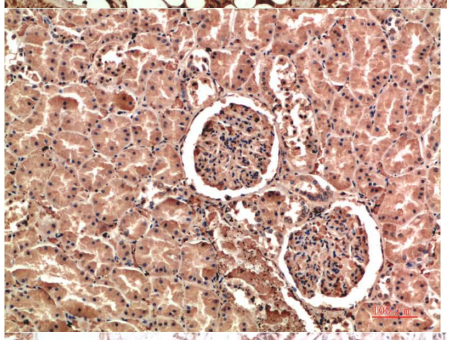
Overview

Product name	VEGF Rabbit polyclonal antibody
Source	Rabbit
Applications	**IHC**
Species reactivity	**Human, Rat, Mouse**
Recommended dilutions	**Immunohistochemistry:1/200-500** **NOTE: Optimal dilutions should be determined by the end user.**
Immunogen	Recombinant Protein
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	**23,45kDa**
GeneID（Human）	7422
Human Swiss-Prot No.	P15692
Cellular localization	Secreted
Alternative Names	VEGFA antibody, VPF antibody, VEGF120 antibody, Vascular endothelial growth factor antibody
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

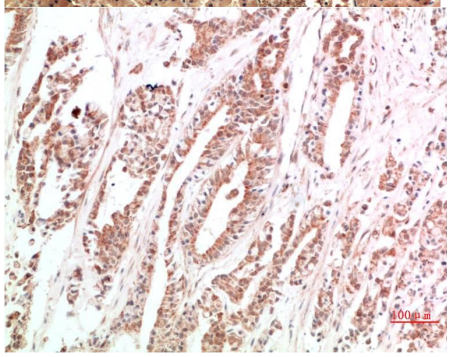
isoforms with MW from 16 to 45 kDa. Some isoforms have homodimer forms (e.g.; VEGFA189 38kDa or VEFGA110 34kDa). VEGF-A exists in at least seven homodimeric isoforms. The monomers consist of 121, 145, 148, 165, 183, 189, or 206 amino acids (PMID:15602010). This antibody can recognize all VEGFA isoforms.



Immunohistochemical analysis of paraffin-embedded Human Liver Carcinoma Tissue using VEGF（EA320）Rabbit pAb diluted at 1:500.



Immunohistochemical analysis of paraffin-embedded Human Kidney Tissue using VEGF（ EA320 ）Rabbit pAb diluted at 1:500.



Immunohistochemical analysis of paraffin-embedded Human Stomach Carcinoma Tissue using VEGF（ EA320 ）Rabbit pAb diluted at 1:500.