Data Sheet (Cat.No.TMAB-01959)

Anti-VEGFR3/FLT4 Polyclonal Antibody

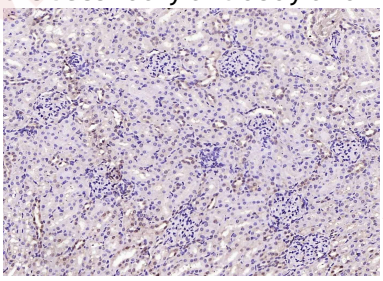
Product Details

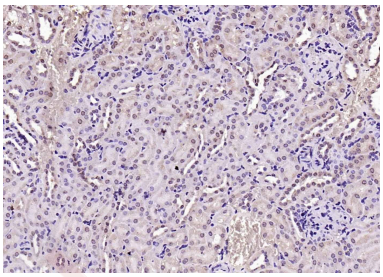
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Horse,Rabbit)
Molecular Weight:	Theoretical: 151 kDa.
Purification:	Protein A purified

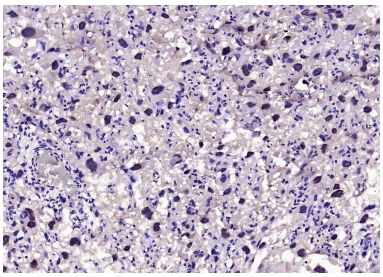
Applications

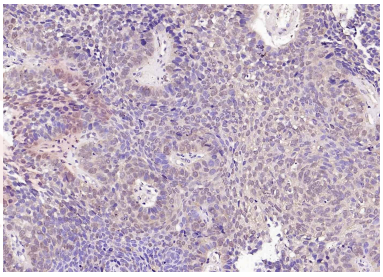
Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VEGFR3 Polyclonal Antibody, Unconjugated (TMAB-01959) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VEGFR3 Polyclonal Antibody, Unconjugated (TMAB-01959) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Rat Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VEGFR3 Polyclonal Antibody, Unconjugated (TMAB-01959) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VEGFR3 Polyclonal Antibody, Unconjugated (TMAB-01959) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.









Application:	IF,IHC-Fr,IHC-P
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human VEGFR-3
Antigen Species:	Human
Gene ID:	2324
Uniprot ID:	P35916
Synonyms:	LMPH1A;FLT-41;VEGFR3;PCL;FLT41;VEGFR-3;fms related tyrosine kinase 4;FLT-4;VEGF Receptor 3
Biology Area:	Receptor Tyrosine Kinases,VEGF,VEGF Receptors,Endothelial Cell Markers,Growth factor receptors,Angiogenic growth factors,VEGF

Research Background

Vascular endothelial growth factors (VEGFs) are a family of closely related growth factors having a conserved pattern of eight cysteine esidues and sharing common VEGF receptors. VEGFs stimulate the proliferation of endothelial cells, induce angiogenesis, and increase vascular permeability in both large and small vessels. The mitogenic activity of VEGFs appears to be mediated by specific VEGF receptors. VEGF Receptor 3 is one of the five receptor tyrosine kinases (RTKs) (VEGF Receptor 1/Flt1, VEGF Receptor 2/KDR/Flk1, VEGF Receptor 3/Flt4, tie1 and tek/tie2) whose expression is almost exclusively restricted to endothelial cells

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