

Anti-VEGFA Polyclonal Antibody 2

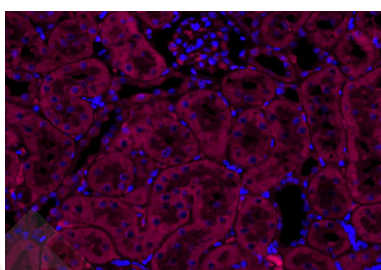
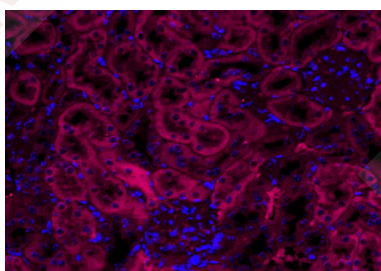
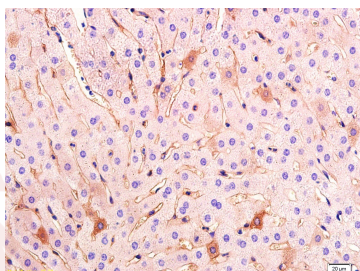
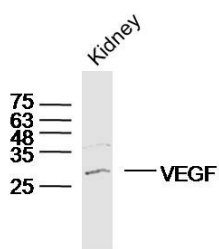
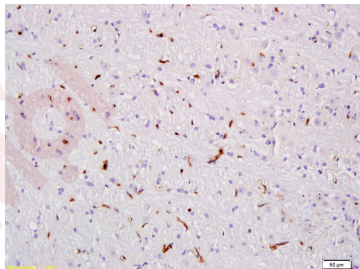
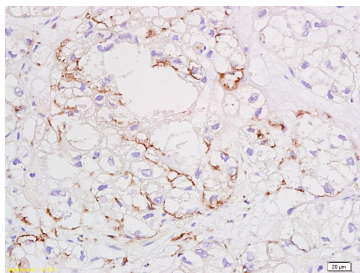
Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat, Rabbit (predicted: Chicken, Dog, Pig, Cow)
Molecular Weight:	Theoretical: 23 kDa. Actual: 27 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated (TMAB-01950) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
2. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated (TMAB-01950) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
3. Sample: Kidney (Mouse) Lysate at 30 µg
Primary: Anti-VEGF (TMAB-01950) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 23 kDa
Observed band size: 27 kDa
4. Tissue/cell: rabbit liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated (TMAB-01950) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
5. Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (VEGFA) Polyclonal Antibody, Unconjugated (TMAB-01950) at 1:200 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody for 90 minutes, and DAPI for nucleus staining.
6. Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (VEGFA) Polyclonal Antibody, Unconjugated (TMAB-01950) at 1:200 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody for 90 minutes, and DAPI for nucleus staining.

Verified Activity:



Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; 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 VEGF

Antigen Species: Human

Gene ID: 7422

Uniprot ID: P15692

Synonyms: MVCD1;VEGF;VEGF-A;L-VEGF;VPF

Biology Area: VEGF,SARS Coronavirus,Cancer,Hypoxia,Co-factors,Angiogenesis and vasculogenesis,VEGF,Angiogenic growth factors,VEGF,Response to hypoxia

Research Background

Vascular endothelial growth factor (VEGF), originally known as vascular permeability factor (VPF), is a signal protein produced by cells that stimulates the formation of blood vessels. To be specific, VEGF is a sub-family of growth factors, the platelet-derived growth factor family of cystine-knot growth factors. They are important signaling proteins involved in both vasculogenesis (the de novo formation of the embryonic circulatory system) and angiogenesis (the growth of blood vessels from pre-existing vasculature).

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