

Anti-ANGPTL4 Polyclonal Antibody

Product Details

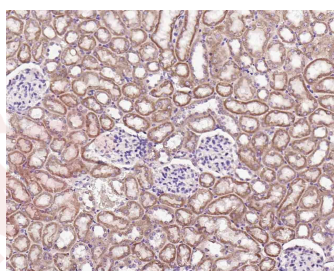
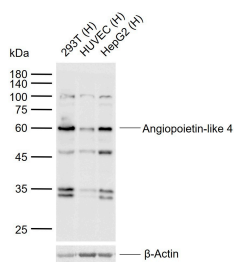
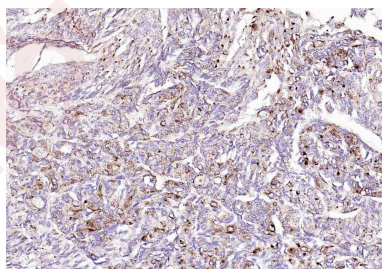
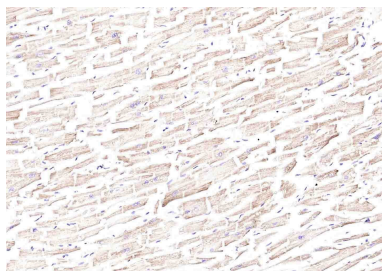
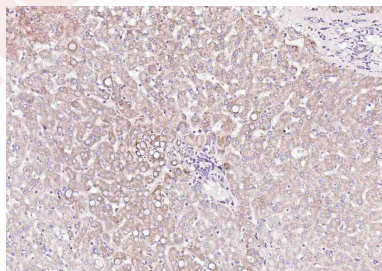
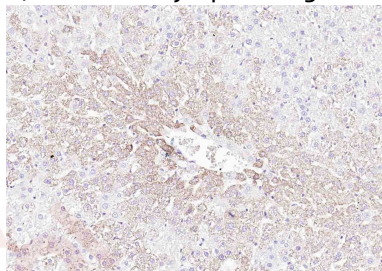
Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Dog, Pig, Cow, Rabbit, Sheep)
Molecular Weight:	Theoretical: 45 kDa. Actual: 60 kDa.
Purification:	Protein A purified

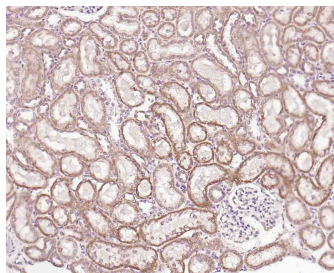
Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Angiopoietin-like 4) Polyclonal Antibody, Unconjugated (TMAB-00121) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Angiopoietin-like 4) Polyclonal Antibody, Unconjugated (TMAB-00121) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded (human heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Angiopoietin-like 4) Polyclonal Antibody, Unconjugated (TMAB-00121) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded (human renal cell carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Angiopoietin-like 4) Polyclonal Antibody, Unconjugated (TMAB-00121) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
5. Sample:
Lane 1: Human 293T cell lysates
Lane 2: Human HUVEC cell lysates
Lane 3: Human HepG2 cell lysates
Primary: Anti-Angiopoietin-like 4 (TMAB-00121) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 45 kDa
Observed band size: 60 kDa
6. Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Angiopoietin-like 4) Polyclonal Antibody, Unconjugated (TMAB-00121) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in

Verified Activity:

sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Angiopietin-like 4) Polyclonal Antibody, Unconjugated (TMAB-00121) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





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 ANGPTL4/ARP4

Antigen Species: Human

Gene ID: 51129

Uniprot ID: Q9BY76

Synonyms: angiopoietin-like 4;UNQ171;ARP4;HARP;ANGPTL2;PGAR;FIAF;NL2;HFARP;TGQTL;pp1158

Biology Area: Metabolism of lipids and lipoproteins,Response to hypoxia,Growth Factors,Hypoxia-Regulated,Cholesterol Metabolism,Cholesterol Metabolism,Lipid metabolism,Hypoxia

Research Background

This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq, Sep 2013]

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
