

## Anti-CD147 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Rabbit,GuineaPig)
Molecular Weight:	Theoretical: 40 kDa. Actual: 60 kDa.
Purification:	Protein A purified

### Applications

1. Tissue/cell: human glioma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), 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-CD147/TCSF/Emmprin Polyclonal Antibody, Unconjugated (TMAB-03854) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

2. Sample:

Lane 1: Liver (Mouse) Lysate at 40 µg

Lane 2: Liver (Rat) Lysate at 40 µg

Lane 3: HepG2 (Human) Cell Lysate at 30 µg

Lane 4: U251 (Human) Cell Lysate at 30 µg

Lane 5: MCF-7 (Human) Cell Lysate at 30 µg

Primary: Anti-CD147 (TMAB-03854) at 1/1000 dilution

Verified Activity: Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50-60 kD

Observed band size: 60 kD

3. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CD147) Polyclonal Antibody, Unconjugated (TMAB-03854) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CD147) Polyclonal Antibody, Unconjugated (TMAB-03854) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## A DRUG SCREENING EXPERT

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TCSF

Antigen Species: Human

Gene ID: 682

Uniprot ID: P35613

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### Research Background

The protein encoded by this gene is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. The encoded protein is also a member of the immunoglobulin superfamily. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

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