

Anti-EMMPRIN/CD147 Antibody (2T794)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2T794
Purification:	Protein A

Applications

Verified Activity:

1. Immunofluorescence staining of human CD147 in HeLa cells with rabbit monoclonal antibody (1:200). The image showing membrane staining of HeLa cells.
2. Immunofluorescence staining of CD147 in monkey stomach with rabbit monoclonal antibody (1:1000, frozen section). The image showing membrane staining of gastric gland cell. The right panel: merge with DAPI
3. Immunochemical staining of human CD147 in human stomach with rabbit monoclonal antibody (1:5000, formalin-fixed paraffin embedded sections). The image showing membrane staining of epithelium cell.
4. Immunochemical staining of human CD147 in human rectal cancer with rabbit monoclonal antibody (1:5000, formalin-fixed paraffin embedded sections). The image showing membrane staining of epithelium cell in intestinal gland.
5. Immunochemical staining of human CD147 in human placenta with rabbit monoclonal antibody (1:5000, formalin-fixed paraffin embedded sections). The image showing positive staining of trophoblast.
6. Immunochemical staining of human CD147 in human liver with rabbit monoclonal antibody (1:5000, formalin-fixed paraffin embedded sections). The image showing membrane staining of hepatocyte.
7. Immunochemical staining of human CD147 in human gastric cancer with rabbit monoclonal antibody (1:5000, formalin-fixed paraffin embedded sections). The image showing membrane staining of epithelium cell.
8. Immunochemical staining of human CD147 in human esophagus with rabbit monoclonal antibody (1:5000, formalin-fixed paraffin embedded sections). The image showing membrane staining of squamous epithelium cell. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).
9. Analysis of anti-CD147 reactivity on HeLa cells.
10. Anti-CD147 rabbit monoclonal antibody at 1:500 dilution.
 - Lane A: A431 Whole Cell lysate.
 - Lysates/proteins at 30 µg per lane.
 - Secondary
 - Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
 - Developed using the Odyssey technique.
 - Performed under reducing conditions.
 - Predicted band size:42 kDa.
 - Observed band size:54 kDa.
11. Anti-CD147 rabbit monoclonal antibody at 1:500 dilution.

A DRUG SCREENING EXPERT

- Lane A: Hela Whole Cell Lysate.
- Lane B: CD147 konckout Hela Whole Cell lysate.
- Lysates/proteins at 30 µg per lane.
- Secondary
- Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
- Developed using the ECL technique.
- Performed under reducing conditions.
- Predicted band size:42 kDa.
- Observed band size:35-55 kDa(Validation Experiment)

Application: ELISA,FCM,ICC/IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IHC-P: 1:2500-1:10000; IHC-Fr: 1:500-1:2000; ICC-IF: 1:50-1:1000; FCM: 1:25-1:100

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. Preservative-Free.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human CD147 protein

Antigen Species: Human

Synonyms: basigin (Ok blood group)

Research Background

CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilinthe and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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