

CD147 Recombinant antibody

Cat:B36476S

Company: HaoKebio

Uniprot ID:P18572-1

Applications: IHC:1:500-1:2000

Organism:Rabbit

IHC-Polymer:1:2000-1:8000

Species reactivity:Mouse Rat

IHC-TSA:1:2500-1:10000

Molecular Weight Calculation: 42 kDa

IF:1:50-1:100

Observed Molecular Weight: 42-58 kDa

WB:1:5000-1:50000

Background:

CD147, also known as Basigin or extracellular matrix metalloproteinase inducer (EMMPRIN), is a transmembrane glycoprotein that belongs to the immunoglobulin superfamily. The molecule is composed of an intracellular portion and an extracellular portion and a single transmembrane region. CD147 is expressed on a variety of cell types (e.g., hematopoietic, epithelial, and endothelial cells) and at varying levels. Increased expression of CD147 occurs in many tumors. CD147 is a pleiotropic molecule that plays an important role in fetal, neuronal, lymphocyte and extracellular matrix development. CD147 has been identified as a receptor essential for erythrocyte invasion by Plasmodium falciparum. It has been reported that spike protein of SARS-CoV-2 binds to CD147 on host cells, thereby mediating the viral invasion (Wang, Ke, et al, BioRxiv, 2020). The CD147 gene, designated BSG for basigin, is located on chromosome 19p13.3. Four transcript variants encoding different isoforms have been found. CD147 migrates on SDS-PAGE usually between 35 and 65 kDa, depending on the degree of glycosylation.

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

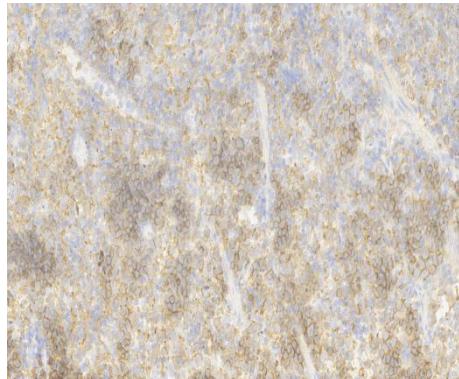
PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:


Sample: Mouse spleen, 4% PFA 12-24h

Synonyms:

Membrane glycoprotein gp42, HT7 antigen, Bsg, Basigin, Basic immunoglobulin superfamily

Immunogen:

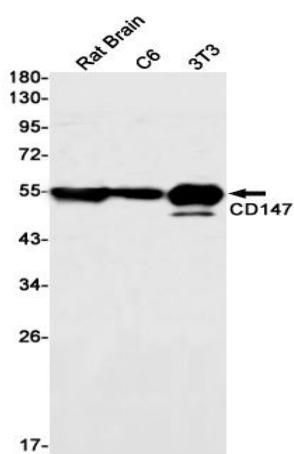
Recombinant protein

Isotype:

IgG

Subcellular location:

Membrane,Cytoplasm



Dilution of 1:20000 incubated at room temperature for 1.5 hours.

Source of Reagents:

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