

## 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.

### Synonyms:

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

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Membrane, Cytoplasm

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

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

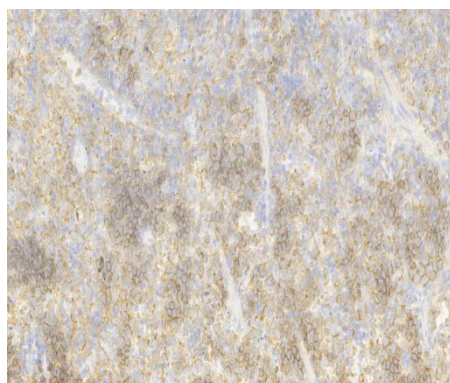
### Storage:

Store at -20 °C for one year.

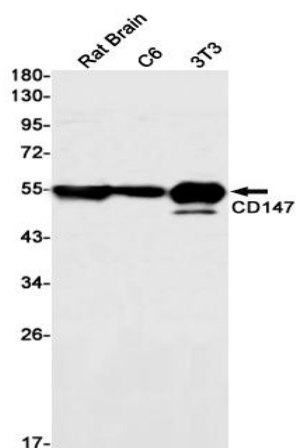
### Experimental procedure:

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



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

#### Source of Reagents:

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