

MAB540Hu22

Monoclonal Antibody to Cluster Of Differentiation 147 (CD147)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C20

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Cross Reactivity: Rat

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant CD147 (Val79~Gln280) expressed in *E.coli*

Accession No.: RPB540Hu01

[APPLICATIONS]

Western blotting: 0.01-3µg/mL;

Immunohistochemistry: 5-30µg/mL;

Immunofluorescence: 5-30µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

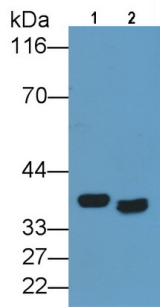
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

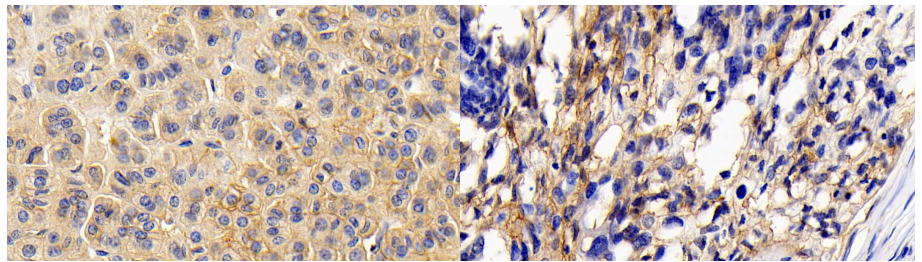
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

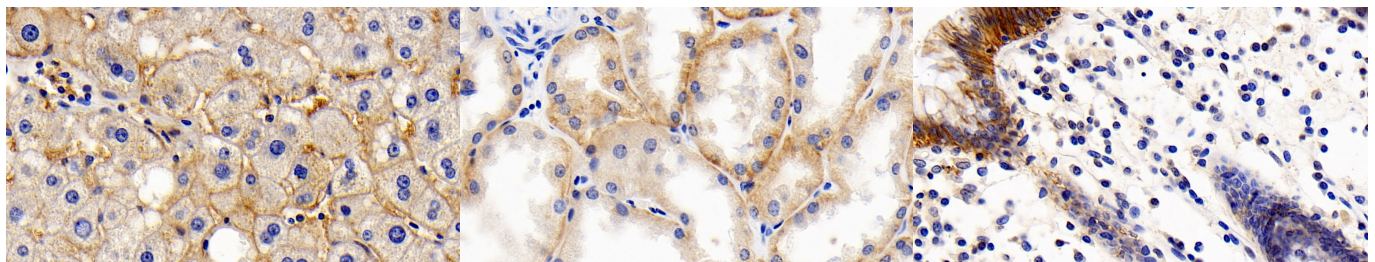


Western Blot; Sample: Lane1: Rat Kidney lysate; Lane2: HeLa cell lysate
 Primary Ab: 1µg/ml Mouse Anti-Human CD147 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Adrenal gland Tissue; Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

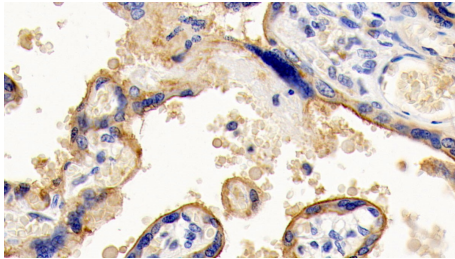
DAB staining on IHC-P; Sample: Human Ovarian cancer Tissue; Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Liver Tissue; Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

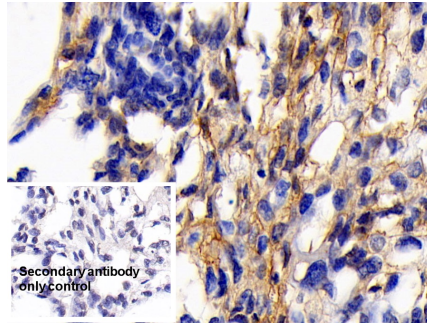
DAB staining on IHC-P; Sample: Human Kidney Tissue; Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

DAB staining on IHC-P; Sample: Human Rectum Tissue; Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



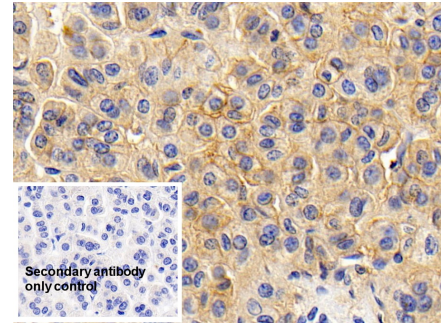
DAB staining on IHC-P;

Sample: Human Placenta Tissue;
 Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



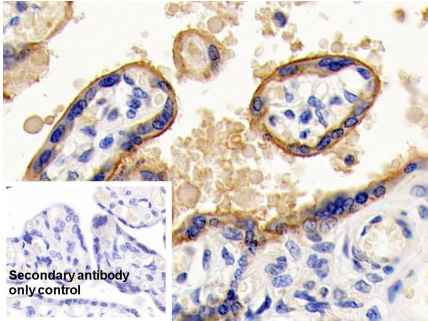
DAB staining on IHC-P;

Sample: Human Ovarian cancer Tissue
 Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody
 Control: Used PBS instead of primary antibody
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



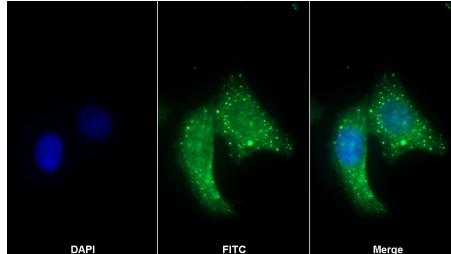
DAB staining on IHC-P;

Sample: Human Adrenal gland Tissue
 Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody
 Control: Used PBS instead of primary antibody
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Human Placenta Tissue
 Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody
 Control: Used PBS instead of primary antibody
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



FITC staining on IF;

Sample: HeLa cell
 Primary Ab: 30µg/ml Mouse Anti-Human CD147 Antibody
 Second Ab: 2µg/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu11)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.