

PAA781Hu01

Polyclonal Antibody to Cluster Of Differentiation 276 (CD276)

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: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 100μL

Cross Reactivity: N/A

Applications: WB; IHC; FCM

[IMMUNOGEN]

Immunogen: Recombinant CD276 (Thr47~Ser219) expressed in *E.coli*

Accession No.: RPA781Hu01

[APPLICATIONS]

Western blotting: 0.01-3μg/mL;

Immunohistochemistry: 5-30μg/mL;

Flow cytometry: 20μg/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.

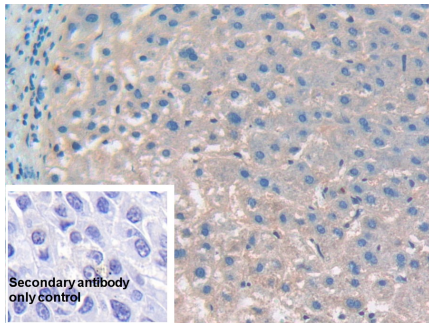
Store at 4°C for frequent use.

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

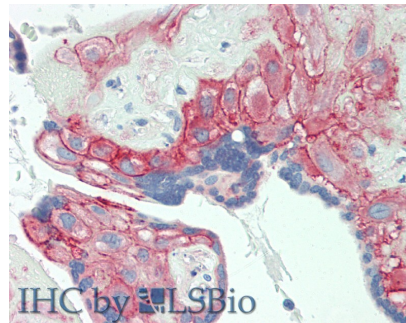
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

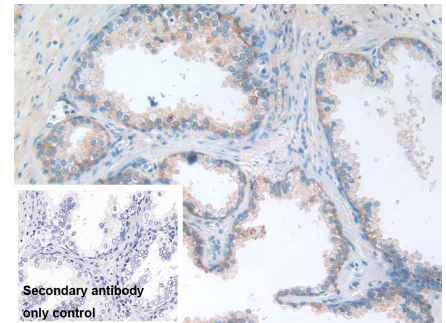
[IDENTIFICATION]



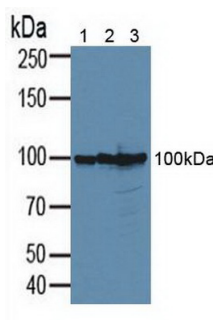
DAB staining on IHC-P; Samples:
Human Liver cancer Tissue; Primary
Ab: 10µg/ml Rabbit Anti-Human CD276
Antibody Second Ab: 2µg/mL HRP-
Linked Caprine Anti-Rabbit IgG
Polyclonal Antibody (Catalog:
SAA544Rb19)



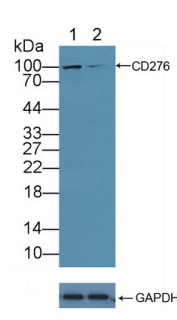
Vector Red staining on IHC-P;
Samples: Human Placenta Tissue;
Primary Ab: 10µg/ml Rabbit Anti-
Human CD276 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody



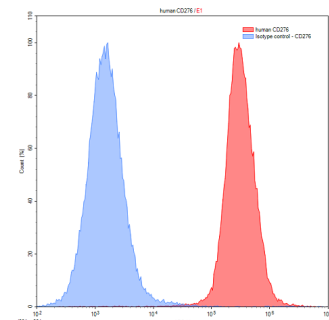
DAB staining on IHC-P;
Sample: Human Prostate Tissue
Primary Ab: 10µg/ml Rabbit Anti-
Human CD276 Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: 293T cell
lysate; Lane2: PC3 cell lysate; Lane3:
MCF7 cell lysate
Primary Ab: 3µg/ml Rabbit Anti-Human
CD276 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal



Knockout Verification:
Lane 1: Wild-type 293T cell lysate;
Lane 2: CD276 knockout 293T cell
lysate;
Predicted MW: 57,53,33kd
Observed MW: 100kd
Primary Ab: 3µg/ml Rabbit Anti-Human



Chok1 transfected with human CD276
(Stable transfection) was stained with
rabbit Anti-human CD276 Polyclonal
Antibody (Catalog # PAA781Hu01),
filled red histogram) or Isotype control
antibody (Catalog # IS067-Rb01, filled
blue histogram), followed by

Antibody
(Catalog: SAA544Rb19)

CD276 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

CY5-conjugated Anti-rabbit IgG
Secondary Antibody (Catalog #
SAA544Rb11). Cells were fixed with
4% paraformaldehyde and
permeabilized with 0.1% Triton X-100.

[**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.