

PAA651Hu01

**Polyclonal Antibody to Complement component 1 Q subcomponent-binding protein,
mitochondrial (C1QBP)**

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: Mouse;Porcine

Applications: WB; IHC; FCM

[**IMMUNOGEN**]

Immunogen: Recombinant C1QBP (Thr76~Gln282) expressed in *E.coli*

Accession No.: RPA651Hu01

[**APPLICATIONS**]

Western blotting: 0.01-2?g/mL

Immunohistochemistry: 5-20?g/mL

Flow cytometry: 20?g/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.

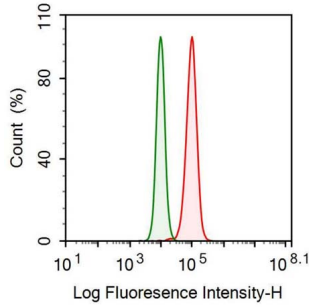
Store at 4°C for frequent use.

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

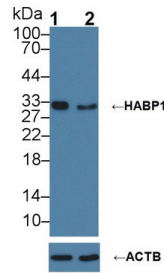
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

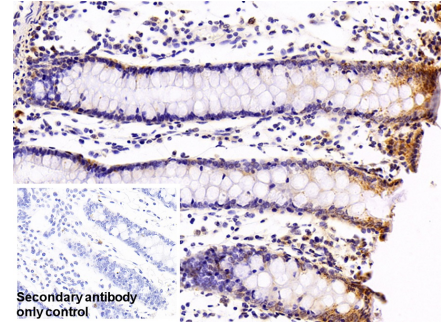
[IDENTIFICATION]



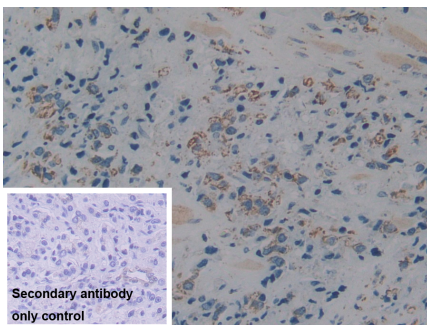
Human A549 cell was fixed with 2% paraformaldehyde (10 min), permeabilised with 0.1% BSA-Triton X-100, then stained with 20µg/ml rabbit Anti-human C1QBP Polyclonal Antibody (Catalog PAA651Hu01, red histogram) or Isotype control antibody (Catalog IS067-Rb01, green histogram), followed by 1µg/ml FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).



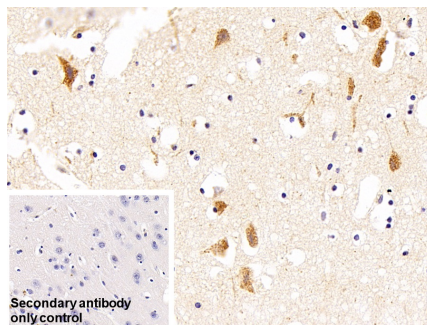
Knockout Verification:
 Lane 1: Wild-type HeLa cell lysate;
 Lane 2: HABP1 knockout HeLa cell lysate;
 Predicted MW: 31kDa
 Observed MW: 31kDa
 Primary Ab: 1µg/ml Rabbit Anti-Human HABP1 Antibody
 Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
 (Catalog: SAA544Rb19)



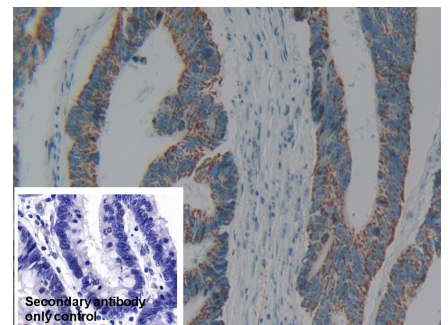
DAB staining on IHC-P;
 Sample: Porcine Colon Tissue
 Primary Ab: 10µg/ml Rabbit Anti-Human C1QBP Antibody
 Control: Used PBS instead of primary antibody
 Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
 (Catalog: SAA544Rb19)



DAB staining on IHC-P;
 Samples: Human Prostate cancer Tissue;
 Primary Ab: 10µg/ml Rabbit Anti-Human HABP1 Antibody

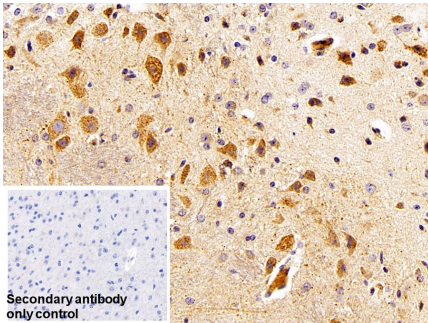


DAB staining on IHC-P;
 Sample: Porcine Cerebrum Tissue
 Primary Ab: 10µg/ml Rabbit Anti-Human C1QBP Antibody
 Control: Used PBS instead of primary



DAB staining on IHC-P;
 Sample: Human Colorectal cancer Tissue;
 Primary Ab: 10µg/ml Rabbit Anti-Human HABP1 Antibody

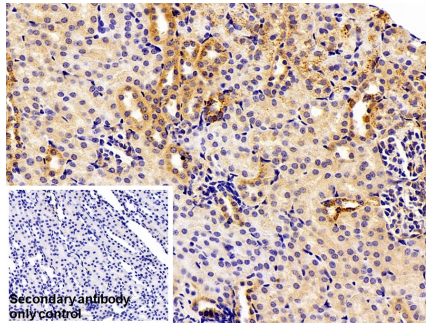
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Mouse Cerebellum Tissue
Primary Ab: 10µg/ml Rabbit Anti-
Human C1QBP Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

antibody

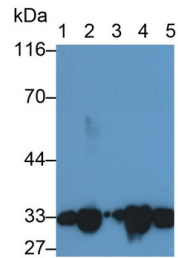
Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



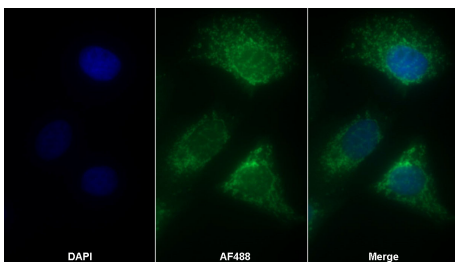
DAB staining on IHC-P;
Sample: Mouse Kidney Tissue
Primary Ab: 10µg/ml Rabbit Anti-
Human C1QBP Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

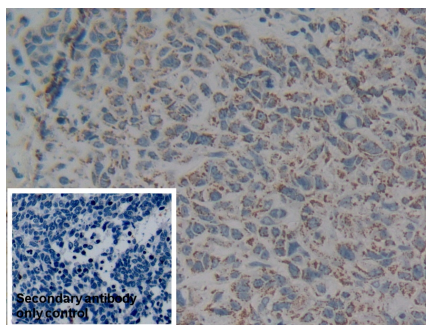
Secondary antibody only control: Used
PBS instead of primary antibody,
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



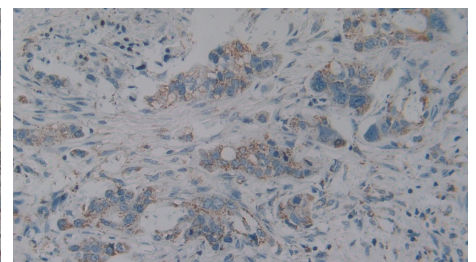
Western Blot; Sample: Lane1: Mouse
Heart lysate; Lane2: Mouse Liver
lysate; Lane3: A549 cell lysate; Lane4:
Hela cell lysate; Lane5: K562 cell lysate
Primary Ab: 0.1µg/ml Rabbit Anti-
Human C1QBP Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19) Selected



AF488 staining on IF;
Sample: HeLa cell



DAB staining on IHC-P; Samples:



DAB staining on IHC-P;
Samples: Human Pancreatic cancer

Primary Ab: 20µg/ml Rabbit Anti-Human C1QBP Antibody	Human Lung cancer Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human HABP1 Antibody	Tissue;
Second Ab: 2µg/ml AF488-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody	Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb11)	Primary Ab: 10µg/ml Rabbit Anti-Human HABP1 Antibody
		Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

[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.