PAA716Hu01

Polyclonal Antibody to Glucose-6-phosphate Dehydrogenase (G6PD)

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 G6PD (Met1~Leu515) expressed in *E.coli*

Accession No.: RPA716Hu01

[APPLICATIONS]

Western blotting: 0.01-2?g/mL;

Immunohistochemistry: 5-20?g/mL;

Immunocytochemistry: 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 PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

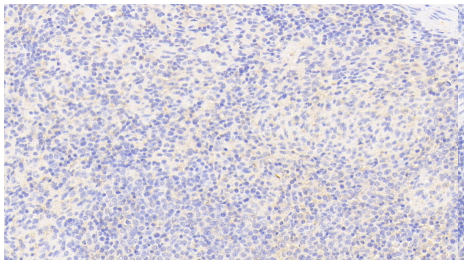
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

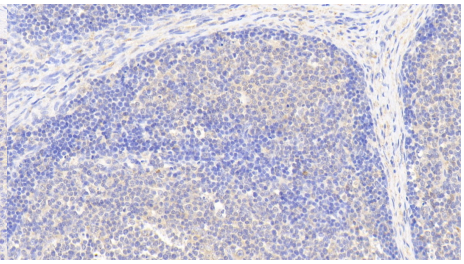
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

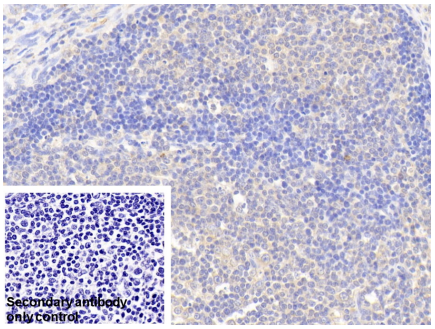
[IDENTIFICATION]



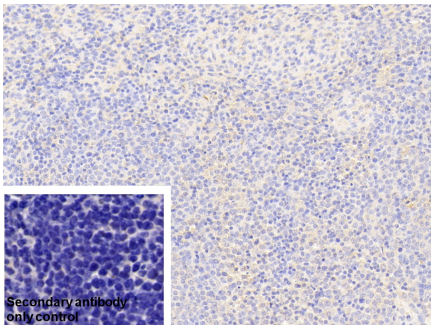
DAB staining on IHC-P; Samples: Human Spleen Tissue; Primary Ab: 20?g/ml Rabbit Anti-Human G6PD Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



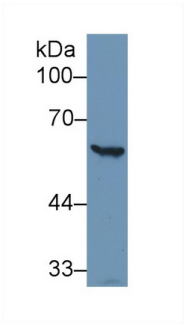
DAB staining on IHC-P; Samples: Human Lymph node Tissue; Primary Ab: 20?g/ml Rabbit Anti-Human G6PD Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



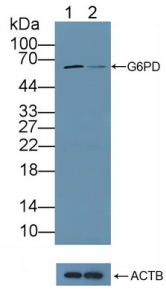
DAB staining on IHC-P; Sample: Human Lymph node Tissue Primary Ab: 20μg/ml Rabbit Anti-Human G6PD Antibody Control: Used PBS instead of primary antibody Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Human Spleen Tissue Primary Ab: 20μg/ml Rabbit Anti-Human G6PD Antibody Control: Used PBS instead of primary antibody



Western Blot; Sample: Human Hela cell lysate; Primary Ab: 1μg/ml Rabbit Anti-Human G6PD Antibody Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal

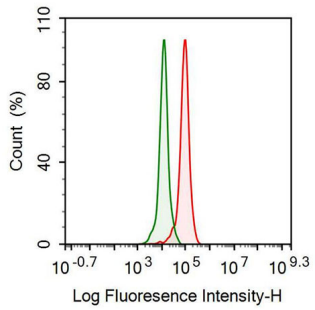


Knockout Varification: Lane 1: Wild-type Hela cell lysate; Lane 2: G6PD knockout Hela cell lysate; Predicted MW: 62kd Observed MW: 60kd

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

Antibody
(Catalog: SAA544Rb19)

Primary Ab: 1μg/ml Rabbit Anti-Human G6PD Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Human Hela cell line was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.1% BSA-Triton X-100,then stained with 20μg/ml rabbit Anti-human G6PD Polyclonal Antibody (Catalog PAA716Hu01, red histogram) or Isotype control antibody (Catalog IS067-Rb01, green histogram), followed by 1μg/ml FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).

[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.