

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: 200µL

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;

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.

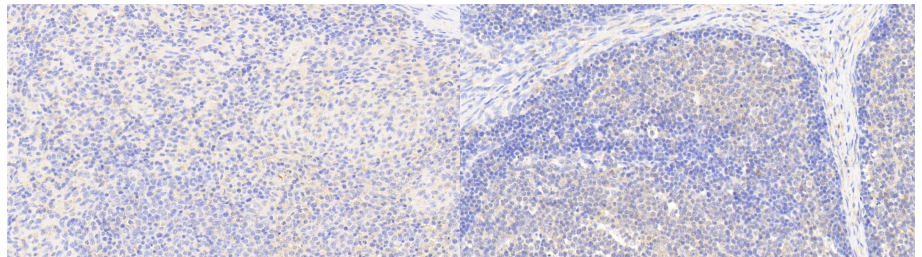
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

[IDENTIFICATION]

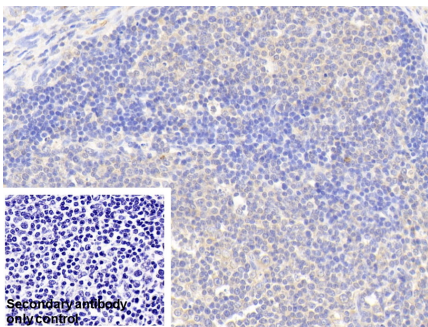


Western Blot; Samples: Lane1: Hela cell lysate; Lane2: HepG2 cell lysate; Lane3: LO2 cell lysate; Primary Ab: 0.2µg/ml Rabbit Anti-Human G6PD Antibody Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

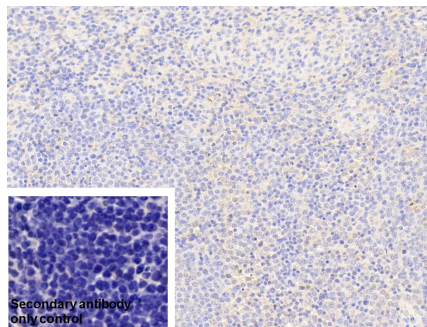


DAB staining on IHC-P; Samples: Human Spleen Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human G6PD Antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

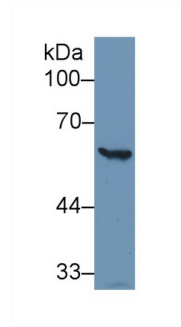
DAB staining on IHC-P; Samples: Human Lymph node Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human G6PD Antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



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

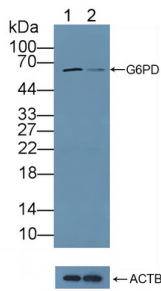


DAB staining on IHC-P; Sample: Human Spleen Tissue Primary Ab: 20µg/ml Rabbit Anti-Human G6PD Antibody Control: Used PBS instead of primary antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



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 Antibody (Catalog: SAA544Rb19)

(Catalog: SAA544Rb19)



Knockout Verification:

Lane 1: Wild-type HeLa cell lysate;

Lane 2: G6PD knockout HeLa cell lysate;

Predicted MW: 62kd

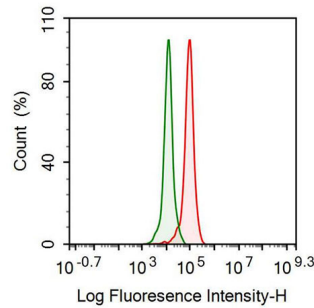
Observed MW: 60kd

Primary Ab: 1µg/ml Rabbit Anti-Human G6PD Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

(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.