

PAL969Hu01

Polyclonal Antibody to NADH Dehydrogenase, Quinone 1 (NQO1)

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: 10µL

Cross Reactivity: N/A

Applications: WB; IHC; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant NQO1 (Val2~Lys274) expressed in E.coli

Accession No.: RPL969Hu01

[APPLICATIONS]

Western blotting: 0.01-2?g/mL;

Immunohistochemistry: 5-20?g/mL;

Immunofluorescence: 5-20µg/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.

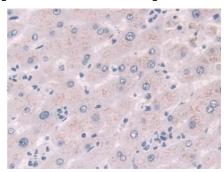
Aliquot and store at -20°C for 24 months.

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

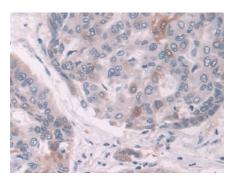
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by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

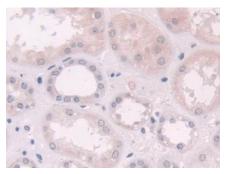
[IDENTIFICATION]



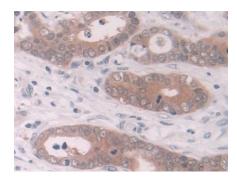
DAB staining on IHC-P; Samples:
Human Liver Tissue; Primary Ab:
10µg/ml Rabbit Anti-Human NQO1
Antibody Second Ab: 2µg/mL HRPLinked Caprine Anti-Rabbit IgG
Polyclonal Antibody (Catalog:
SAA544Rb19)



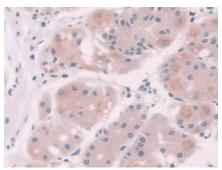
DAB staining on IHC-P;
Samples: Human Liver cancer Tissue;
Primary Ab: 10µg/ml Rabbit AntiHuman NQO1 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



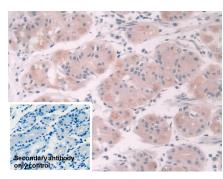
DAB staining on IHC-P;
Samples: Human Kidney Tissue;
Primary Ab: 10µg/ml Rabbit AntiHuman NQO1 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Samples: Human Stomach cancer
Tissue;
Primary Ab: 10µg/ml Rabbit AntiHuman NQO1 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody



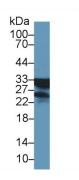
DAB staining on IHC-P;
Samples: Human Stomach Tissue;
Primary Ab: 10µg/ml Rabbit AntiHuman NQO1 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Human Stomach Tissue
Primary Ab: 10µg/ml Rabbit AntiHuman NQO1 Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal

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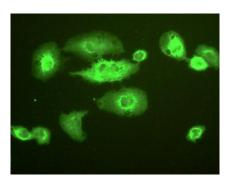
(Catalog: SAA544Rb19)



Western Blot; Sample: Human A549 cell lysate;

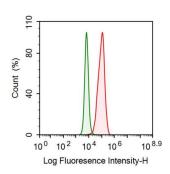
Primary Ab: 1µg/ml Rabbit Anti-Human NQO1 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal

Antibody
(Catalog: SAA544Rb19)



FITC staining on IF;
Sample: A549 cell
Primary Ab: 20µg/ml Rabbit AntiHuman NQO1 Antibody
Second Ab: 2?g/ml FITC-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb18)

Antibody (Catalog: SAA544Rb19)



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 NQO1 Polyclonal Antibody (Catalog PAL969Hu01, 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.