

PAF494Hu01

Polyclonal Antibody to Janus Kinase 2 (JAK2)

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: 0.27mg/mL

UOM: 100μL

Cross Reactivity: Porcine

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant JAK2 (Asn508~Ala800) expressed in *E.coli*

Accession No.: RPF494Hu01

[APPLICATIONS]

Western blotting: 0.01-3μg/mL;

Immunohistochemistry: 5-30μg/mL;

Immunofluorescence: 5-20μg/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.

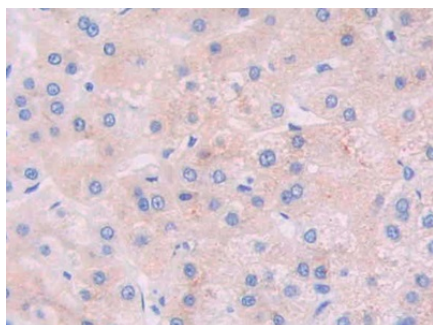
Store at 4°C for frequent use.

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

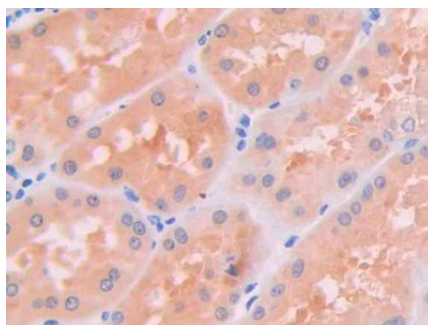
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

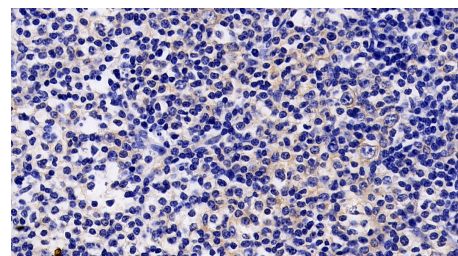
[IDENTIFICATION]



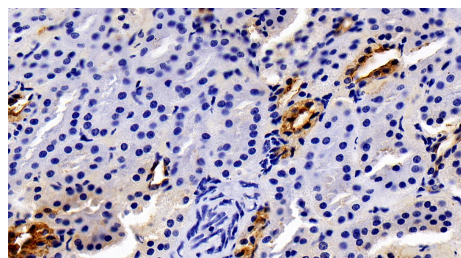
DAB staining on IHC-P; Samples:
Human Liver cancer Tissue; Primary
Ab: 30µg/ml Rabbit Anti-Human JAK2
Antibody Second Ab: 2µg/mL HRP-
Linked Caprine Anti-Rabbit IgG
Polyclonal Antibody (Catalog:
SAA544Rb19)



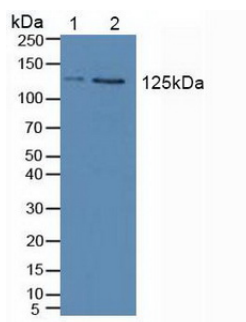
DAB staining on IHC-P;
Samples: Human Kidney Tissue;
Primary Ab: 30µg/ml Rabbit Anti-
Human JAK2 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



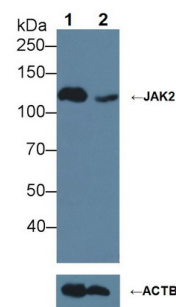
DAB staining on IHC-P;
Sample: Porcine Lymph node Tissue;
Primary Ab: 20µg/ml Rabbit Anti-
Human JAK2 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Porcine Kidney Tissue;
Primary Ab: 20µg/ml Rabbit Anti-
Human JAK2 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Human
Lung lysate; Lane2: Jurkat cell lysate
Primary Ab: 3ug/ml Rabbit Anti-Human
JAK2 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

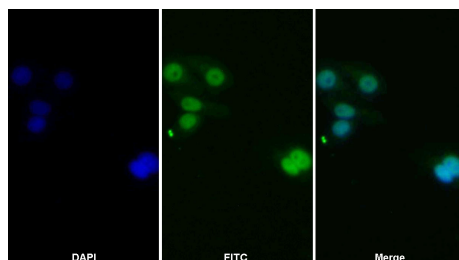


Knockout Varification:
Lane 1: Wild-type Jurkat cell lysate;
Lane 2: JAK2 knockout Jurkat cell
lysate;
Predicted MW: 130kDa
Observed MW: 130kDa
Primary Ab: 3µg/ml Rabbit Anti-Human
JAK2 Antibody
Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



FITC staining on IF;

Sample: Hela cell

Primary Ab: 20µg/ml Rabbit Anti-

Human JAK2 Antibody

Second Ab: 2µg/ml FITC-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb11)

[**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.