

PAB064Hu01

Polyclonal Antibody to Apoptosis Inducing Factor (AIF)

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: Porcine;Bovine

Applications: WB,IHC,ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant AIF (Gly103~Lys322 (Accession # O95831)) expressed in *E.coli*

Accession No.: RPB064Hu01

[APPLICATIONS]

Western blotting: 0.01-3µg/mL;

Immunohistochemistry: 5-30µg/mL;

Immunocytochemistry: 5-30µg/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]

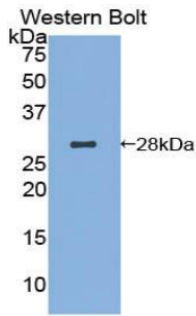
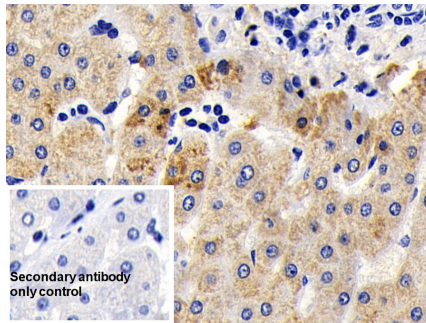
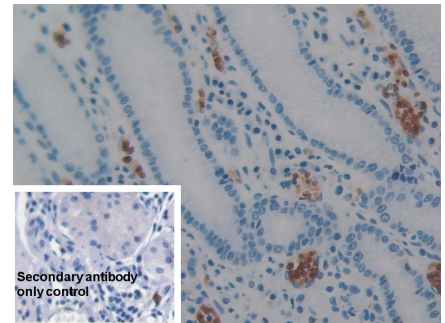


Figure. Western Blot; Sample: Recombinant AIF, Human.



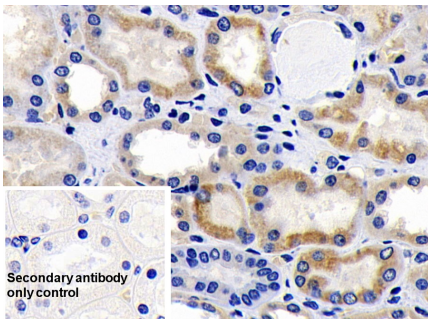
DAB staining on IHC-P; Samples: Human Liver Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human AIF Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



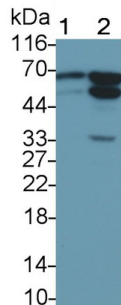
DAB staining on IHC-P; Sample: Human Stomach Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human AIF Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

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

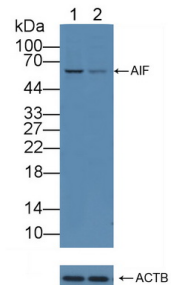
(Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Human Kidney Tissue; Primary Ab: 30µg/ml Rabbit Anti-



Western Blot; Sample: Lane1: A549 cell lysate; Lane2: Porcine Heart lysate Primary Ab: 0.3µg/ml Rabbit Anti-



Knockout Varification: Lane 1: Wild-type A549 cell lysate; Lane 2: AIF knockout A549 cell lysate;

Human AIF Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

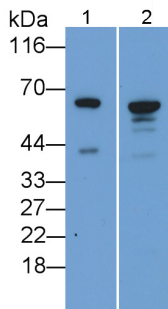
Secondary antibody only control: Used

PBS instead of primary antibody,

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: HeLa cell

lysate; Lane2: Bovine Heart lysate

Primary Ab: 0.3µg/ml Rabbit Anti-
Human AIF Antibody

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

Antibody

(Catalog: SAA544Rb19)

Human AIF Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

Predicted MW: 26~35,66kd

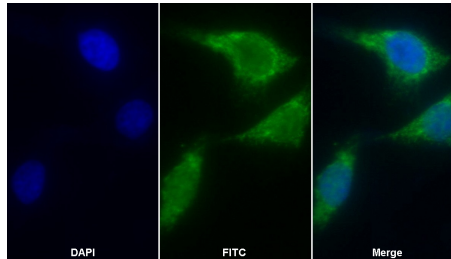
Observed MW: 66kd

Primary Ab: 3µg/ml Rabbit Anti-Human
AIF Antibody

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

Antibody

(Catalog: SAA544Rb19)



FITC staining on IF;

Sample: Human HeLa cell;

Primary Ab: 20ug/ml Rabbit Anti-
Human AIF Antibody

Second Ab: 2µg/ml FITC-Linked
Caprine Anti-Rabbit IgG Polyclonal

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.