PAF020Hu01

Polyclonal Antibody to Eukaryotic Translation Elongation Factor 1 Alpha 1 (EEF1a1)

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: 500µg/mL

UOM: 1

Cross Reactivity: Mouse

Applications: WB,IHC

[IMMUNOGEN]

Immunogen: Recombinant EEF1a1 (Met1~Pro241) expressed in *E.coli*

Accession No.: RPF020Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL

Immunohistochemistry: 5-20µg/mL

Immunocytochemistry: 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 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]

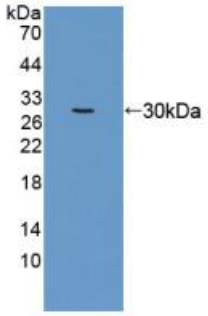
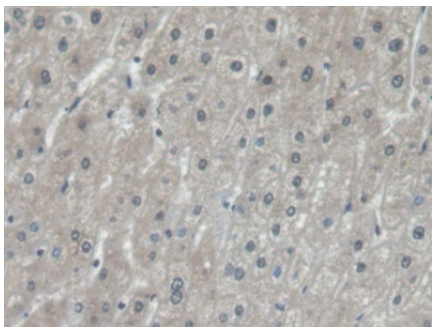
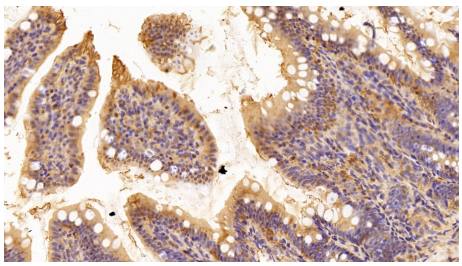


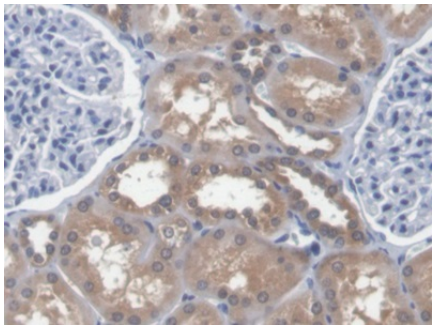
Figure. Western Blot; Sample: Recombinant EEF1a1, Human.



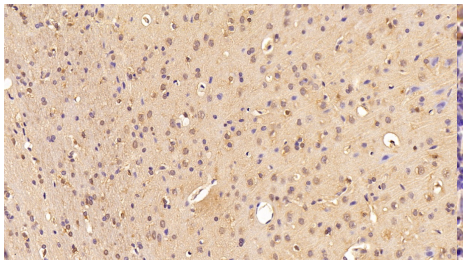
DAB staining on IHC-P; Samples: Human Liver Tissue; Primary Ab: 20μg/ml Rabbit Anti-Human EEF1a1 An



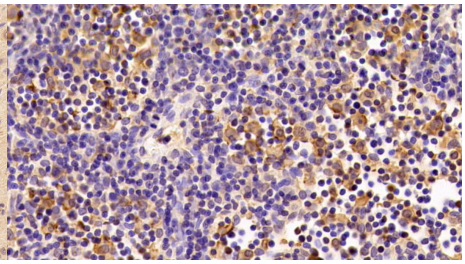
DAB staining on IHC-P; Sample: Rat Colon Tissue; Primary Ab: 10ug/ml Rabbit Anti-Human EEF1a1 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



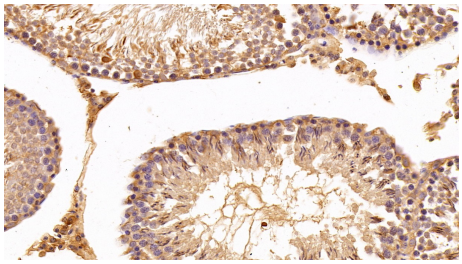
DAB staining on IHC-P; Samples: Human Kidney Tissue; Primary Ab: 20μg/ml Rabbit Anti-Human EEF1a1 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Rat Cerebrum Tissue; Primary Ab: 10ug/ml Rabbit Anti-Human EEF1a1 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Rat Lymph node Tissue; Primary Ab: 10ug/ml Rabbit Anti-Human EEF1a1 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P;

Sample: Rat Testis Tissue;

Primary Ab: 10ug/ml Rabbit Anti-Human EEF1a1 Antibody

Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

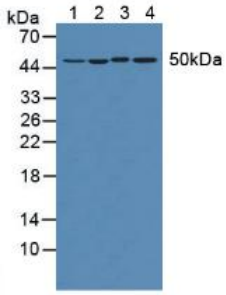
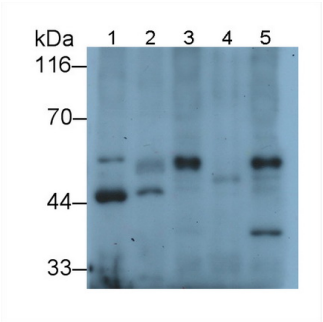


Figure. Western Blot; Sample: Lane1: Human Hela Cells; Lane2: Human Jurkat Cells; Lane3: Mouse Heart Tissue; Lane4: Mouse Brain Tissue.

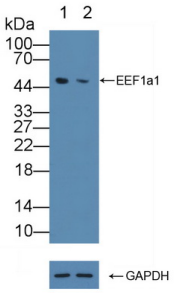


Western Blot; Sample: Lane1: Mouse Heart lysate; Lane2: Mouse Cerebrum lysate; Lane3: Hela cell lysate; Lane4: Jurkat cell lysate; Lane5: U2OS cell lysate

Primary Ab: 0.2μg/ml Rabbit Anti-Human EEF1a1 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: EEF1a1 knockout Jurkat cell lysate;

Predicted MW: 48,50kd

Observed MW: 50kd

Primary Ab: 1μg/ml Rabbit Anti-Human EEF1a1 Antibody

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

Antibody

(Catalog: SAA544Rb19)

[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.