

**PAL481Hu01**

**Polyclonal Antibody to Eukaryotic Translation Initiation Factor 4E Binding Protein 1  
(EIF4EBP1)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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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:** Mouse;Rat;Porcine

**Applications:** WB; IHC; ICC/IF

### [ **IMMUNOGEN** ]

**Immunogen:** Recombinant EIF4EBP1 (Ser2-Ile118) expressed in *E.coli*

**Accession No.:** RPL481Hu01

### [ **APPLICATIONS** ]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

### [ **FORMULATION** ]

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

### [ **STORAGE AND STABILITY** ]

**Storage:** Avoid repeated freeze/thaw cycles.

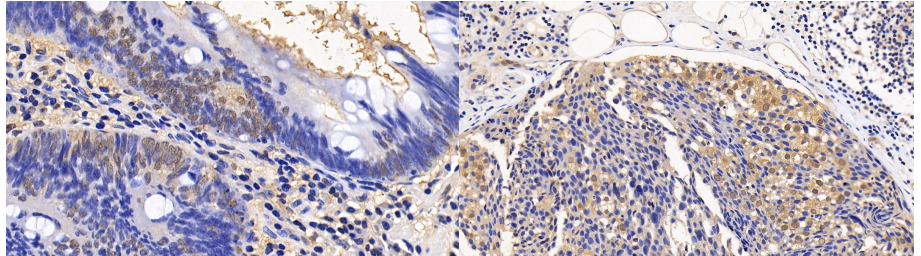
Store at 4°C for frequent use.

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.

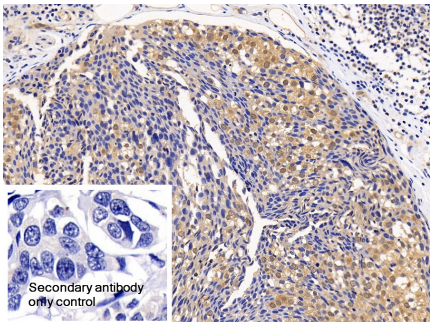
**[ IDENTIFICATION ]**



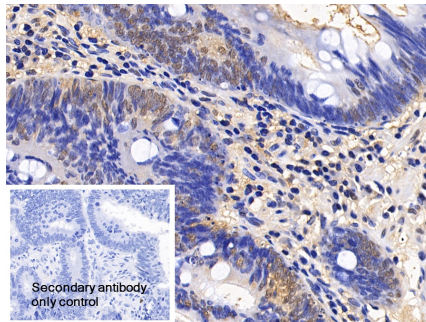
Western Blot; Sample: PANC1 cell lysate Primary Ab: 1µg/ml Rabbit Anti-Human EIF4EBP1 Antibody Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

DAB staining on IHC-P; Sample: Human Colorectal cancer Tissue; Primary Ab: 20ug/ml Rabbit Anti-Human EIF4EBP1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

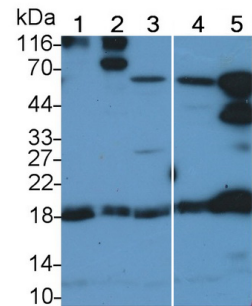
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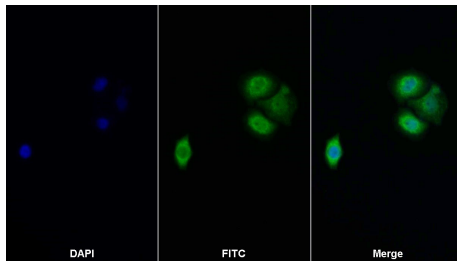
DAB staining on IHC-P; Sample: Human Breast cancer Tissue Primary Ab: 20µg/ml Rabbit Anti-Human EIF4EBP1 Antibody Control: Used PBS instead of primary antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Human Colorectal cancer Tissue Primary Ab: 20µg/ml Rabbit Anti-Human EIF4EBP1 Antibody 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: K562 cell lysate; Lane2: Hela cell lysate; Lane3: Porcine Pancreas lysate; Lane4: Rat Pancreas lysate; Lane5: Mouse Pancreas lysate Primary Ab: 1.5µg/ml Rabbit Anti-Human EIF4EBP1 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 EIF4EBP1 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.