

**PAB385Ra01**

**Polyclonal Antibody to Activating Transcription Factor 4 (ATF4)**

**Organism Species: *Rattus norvegicus* (Rat)**

***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:** 0.45mg/mL

**UOM:** 10µg(22µL)

**Cross Reactivity:** N/A

**Applications:** WB; IHC

### **[ IMMUNOGEN ]**

**Immunogen:** Recombinant ATF4 (Val125~Tyr329) expressed in *E.coli*

**Accession No.:** RPB385Ra01

### **[ APPLICATIONS ]**

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 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 ]

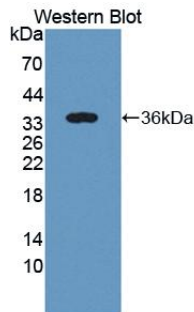
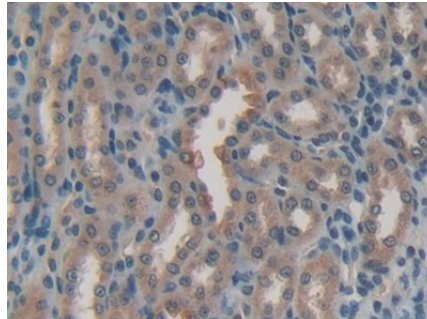
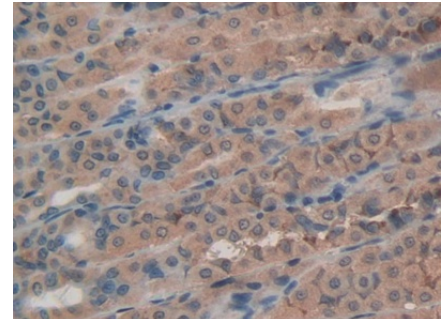


Figure. Western Blot; Sample:  
Recombinant ATF4, Rat.



DAB staining on IHC-P; Samples: Rat  
Kidney Tissue; Primary Ab: 20µg/ml  
Rabbit Anti-Rat ATF4 Antibody Second  
Ab: 2µg/mL HRP-Linked Caprine Anti-  
Rabbit IgG Polyclonal Antibody  
(Catalog: SAA544Rb19)



DAB staining on IHC-P;  
Samples: Rat Intestine Tissue;  
Primary Ab: 20µg/ml Rabbit Anti-Rat  
ATF4 Antibody  
Second Ab: 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.