

PAB385Hu01

Polyclonal Antibody to Activating Transcription Factor 4 (ATF4)

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: 1mg/mL

UOM: 10µg(10µL)

Cross Reactivity: N/A

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant ATF4 (Thr130~Lys347) expressed in *E.coli*

Accession No.: RPB385Hu01

[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 PBS, pH7.4, containing 0.02% NaN₃, 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]

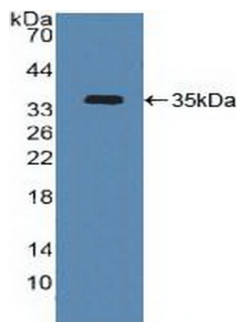
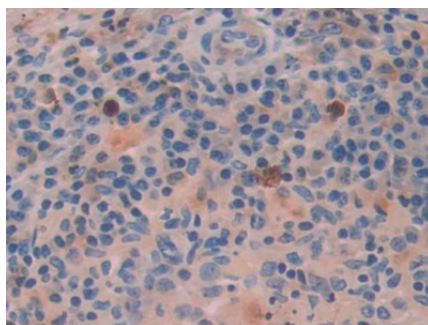
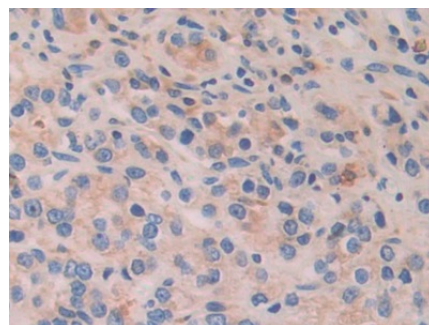


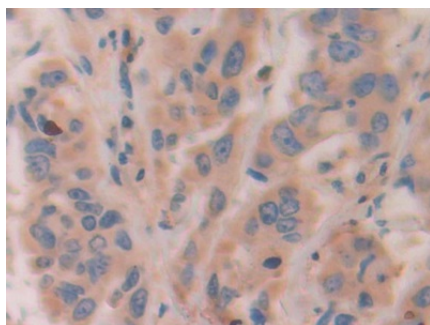
Figure. Western Blot; Sample:
Recombinant ATF4, Human.



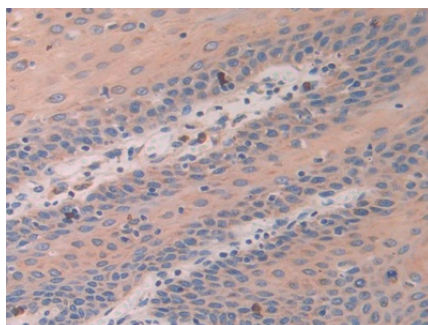
DAB staining on IHC-P; Samples:
Human Skin cancer Tissue; Primary
Ab: 10µg/ml Rabbit Anti-Human ATF4
Antibody Second Ab: 2µg/mL HRP-
Linked Caprine Anti-Rabbit IgG
Polyclonal Antibody (Catalog:
SAA544Rb19)



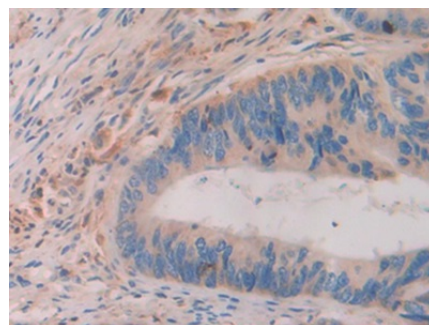
DAB staining on IHC-P;
Samples: Human Prostate cancer
Tissue;
Primary Ab: 10µg/ml Rabbit Anti-
Human ATF4 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Samples: Human Breast cancer Tissue;
Primary Ab: 10µg/ml Rabbit Anti-
Human ATF4 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

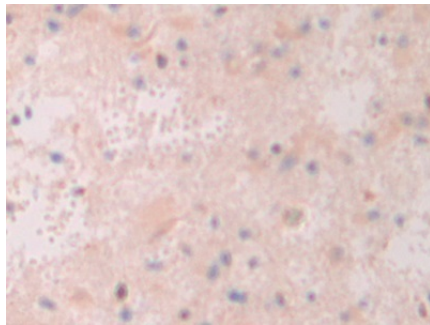


DAB staining on IHC-P;
Samples: Human Stomach cancer
Tissue;
Primary Ab: 10µg/ml Rabbit Anti-
Human ATF4 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody



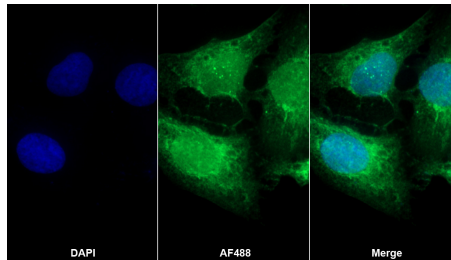
DAB staining on IHC-P;
Samples: Human Colorectal cancer
Tissue;
Primary Ab: 10µg/ml Rabbit Anti-
Human ATF4 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;
 Samples: Human Glioma Tissue;
 Primary Ab: 10µg/ml Rabbit Anti-
 Human ATF4 Antibody
 Second Ab: 2µg/mL HRP-Linked
 Caprine Anti-Rabbit IgG Polyclonal
 Antibody
 (Catalog: SAA544Rb19)

(Catalog: SAA544Rb19)



AF488 staining on IF;
 Sample: U2OS cell
 Primary Ab: 20µg/ml Rabbit Anti-
 Human ATF4 Antibody
 Second Ab: 2µg/ml AF488-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.