

## ATF1 Recombinant antibody

**Cat:** B35050D

**Company:** HaoKebio

**Uniprot ID:** P18846

**Applications:** IHC:1:100-1:200

**Organism:** Rabbit

IHC-Polymer:1:400-1:800

**Species reactivity:** Human Mouse Rat

IHC-TSA:1:500-1:1000

**Molecular Weight Calculation:** 29 kDa

WB:1:1000

**Observed Molecular Weight:** 40 kDa

### Background:

This gene encodes an activating transcription factor, which belongs to the ATF subfamily and bZIP (basic-region leucine zipper) family. It influences cellular physiologic processes by regulating the expression of downstream target genes, which are related to growth, survival, and other cellular activities. This protein is phosphorylated at serine 63 in its kinase-inducible domain by serine/threonine kinases, cAMP-dependent protein kinase A, calmodulin-dependent protein kinase I/II, mitogen- and stress-activated protein kinase and cyclin-dependent kinase 3 (cdk-3). Its phosphorylation enhances its transactivation and transcriptional activities, and enhances cell transformation. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in angiosarcoma, fibrosarcoma, histiocytoma and clear cell sarcoma. This gene has a pseudogene on chromosome 6.

### Protein full name:

Activating Transcription Factor 1

### Synonyms:

TREB36; EWS-ATF1; FUS/ATF-1

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Nucleus, Cytoplasm

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

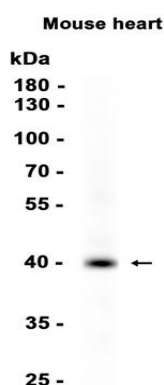
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Dilution of 1:1000 incubated at room temperature for 1.5 hours.

### Source of Reagents:

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