

Recombinant

DGRmAb®

## Phospho-ATF2 (Thr71) (DGR13508) Rabbit mAb

db11934

Package : 10µL 20µL 50µL 100µL

**Product Name** : Phospho-ATF2 (Thr71) (DGR13508) Rabbit mAb

**Cat.No.:** db11934

**Synonyms** : HB16; CREB2; TREB7; CREB-2; CRE-BP1

**Application** : WB, ICC/IF, IP

**Reactivity** : Human,Mouse

**Host species** : Rabbit

### Background

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. This protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. The encoded protein may also be involved in cell's DNA damage response independent of its role in transcriptional regulation. Several alternatively spliced transcript variants have been found for this gene [provided by RefSeq, Jan 2014]

### Immunogen

A synthetic phosphopeptide corresponding to residues surrounding Thr71 of human ATF2

### Gene ID

1386

### Swiss Prot

P15336

### Synonyms

HB16; CREB2; TREB7; CREB-2; CRE-BP1

### Reactivity

Human,Mouse

### Application

WB, ICC/IF, IP

### Recommended dilution

WB: 1:1000-1:5000

ICC/IF: 1:200-1:500

IP: 1:20-1:50

### Calculated MW

55 kDa

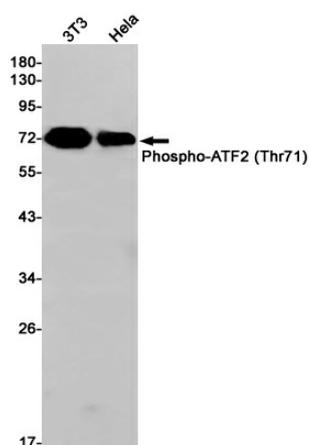
### Observed MW

70 kDa

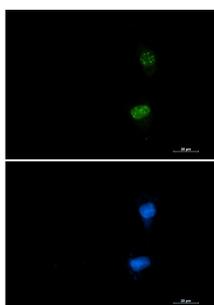
### Host species

Rabbit

<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR13508
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Phospho-ATF2 (Thr71) in 3T3, HeLa cell lysates using Phospho-ATF2 (Thr71) antibody(1:1000 diluted).



Immunofluorescent analysis of U87-MG cells using db11934 antibody (green), and DAPI (blue).