Recombinant DGRmAb®

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

**db11934-PBS** **Package : 100μg**

**Product Name :** Phospho-ATF2 (Thr71) (DGR13508) Rabbit mAb (PBS Only)
**Cat.No.:** db11934-PBS
**Synonyms :** HB16; CREB2; TREB7; CREB-2; CRE-BP1
**Application :** WB, ICC/IF, IP
**Reactivity :** Human,Mouse
**Host species :** Rabbit

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| **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 |
| **Calculated MW** | 55 kDa |
| **Observed MW** | 70 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR13508 |
| **Isotype** | IgG |

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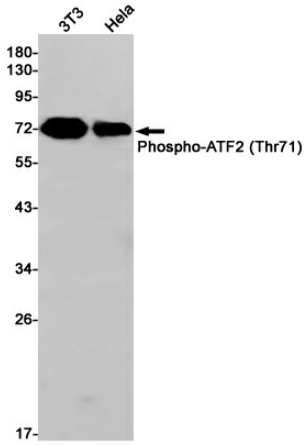
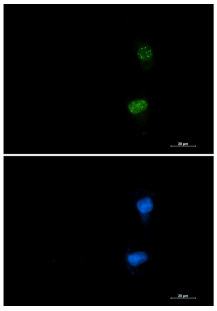
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Concentration** | 1 mg/mL |
| **Formulation** | PBS Only |
| **Storage Stability** | Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from 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).