

## ATF2 (Phospho-Ser62 or 44) Polyclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 43029

**Format:** 100ul at 1.0mg/ml in PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

### BACKGROUND

ATF2 is a transcription factor that is a member of the leucine zipper family of DNA binding protein that can perform multiple functions. It can bind to the cAMP-responsive element (CRE), and it can form a homodimer or a heterodimer with c-Jun and stimulate CRE-dependent transcription. ATF2 is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 *in vitro*. ATF2 may also be involved in a cell's DNA damage response independent of its role in transcriptional regulation.

### SPECIFICATION SUMMARY

**Antigen:** Peptide sequence that includes phosphorylation sites of serine 62 or 44 (N-D-S(p)-V-I) derived from human ATF2 and conjugated to KLH.

**Accession no.:** P15336, NP\_001871.2

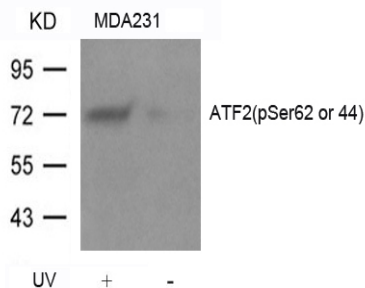
**Host Species:** Rabbit

**Specificity:** This antibody detects endogenous human, mouse, and rat ATF2 only when phosphorylated at serine 62 and/or 44.

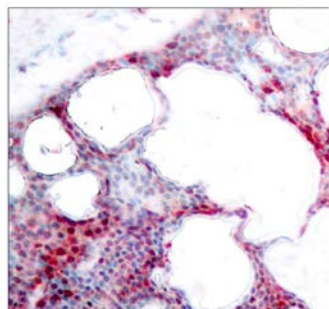
### APPLICATION

**Immunoblotting:** use at dilution of 1:500-1:1,000. **Immunohistochemistry:** use at dilution of 1:50-1:100.

A band of ~65-75kDa is detected.



Detection of ATF2 (phospho-Ser62 or 44) in extracts of MDA231 cells treated with UV or untreated.



Detection of ATF2 (phospho-Ser62 or 44) in paraffin-embedded human breast carcinoma tissue.

These are recommended working dilutions. Enduser should determine optimal dilutions for their applications.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term use.

*For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.*