

ATF-2 Polyclonal Antibody

CATALOG #: 3358-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

IMMUNOGEN: Synthetic peptide mapping to the N-terminus of human ATF-2

FORMULATION:

100 µg (0.5 mg/ml) peptide affinity purified rabbit anti-ATF-2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

SPECIES REACTIVITY: human, mouse, rat

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

The transcription factor ATF-2 (also called CRE-BP1) is a member of the ATF/CREB family of leucine zipper proteins. ATF-2 forms homodimers and heterodimers with c-Jun to initiate CRE-dependent transcription. Phosphorylation of ATF-2 at Thr 69 and Thr 71 by stress-activated kinases is necessary for transcriptional activation. Myc also induces phosphorylation of ATF-2 at Thr 69 and Thr 71 to prolong the half-life of ATF-2. ATF-2 also functions as a histone acetyltransferase (HAT) by specifically acetylating histones H2B and H4 *in vitro*.

SPECIFICITY: The antibody detects ATF-2 of human, mouse, and rat origin.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (1-2 µg/ml) and immunohistochemistry (5-10 µg/ml). However, the optimal conditions should be determined individually.

USAGE: The product is for Research Use Only. Not to be used in human.

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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