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ATF3 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2104a

Specification

ATF3 Antibody - Product Information

Application	**E, WB, FC**
Primary Accession	P18847
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**20.6kDa KDa**

Description
This gene encodes a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This gene is induced by a variety of signals, including many of those encountered by cancer cells, and is involved in the complex process of cellular stress response. Multiple transcript variants encoding different isoforms have been found for this gene. It is possible that alternative splicing of this gene may be physiologically important in the regulation of target genes.

Immunogen
Purified recombinant fragment of human ATF3 (AA: 1-181) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

ATF3 Antibody - Additional Information

Gene ID 467

Other Names
Cyclic AMP-dependent transcription factor ATF-3, cAMP-dependent transcription factor ATF-3, Activating transcription factor 3, ATF3

Dilution
E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ATF3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ATF3 Antibody - Protein Information

Name ATF3 {ECO:0000303|PubMed:7515060, ECO:0000312|HGNC:HGNC:785}

Function
This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Represses transcription from promoters with ATF sites. It may repress transcription by stabilizing the binding of inhibitory cofactors at the promoter.

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:12034827}

ATF3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture