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ATF3 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2122a

Product Information

Application	WB, FC, ICC, E
Primary Accession	P18847
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7F1B10
Isotype	IgG1
Calculated MW	20576
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

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	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
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.

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}

References

1.Arch Biochem Biophys. 2014 Dec 15;564:203-10.2.Tumour Biol. 2014 Aug;35(8):8329-34.

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