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Product datasheet for TA336422

ATF2 Mouse Monoclonal Antibody [Clone ID: 103C411.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	103C411.2
Applications:	FC
Recommend Dilution:	WB: 2 ug/ml, FC:
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This antibody was generated by immunizing mice with a synthetic peptide containing phosphorylated threonine at position 71 of human ATF-2.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	0.5 mg/ml
Purification:	Protein G purified
Gene Name:	activating transcription factor 2
Database Link:	NP_001243019 Entrez Gene 1386 Human
Background:	ATF-2 is a member of the group of bZip transcription factors. Heterodimer formation between members of the bZip group is common and is believed to add diversity to the cis-acting elements at which binding of the dimers is directed. Specifically, ATF-2 may dimerize with c-Jun, as occurs in response to E1a, and in so doing shift the binding preference of c-Jun toward ATF/CRE sites. Deletion analysis has indicated that the N-terminal region of ATF-2 containing threonine at residues 69 and 71 are essential for this purpose. These threonine residues are phosphorylated by JNK/SAPK for transcriptional activation.
Synonyms:	CRE-BP1; CREB-2; CREB2; HB16; TREB7
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	MAPK signaling pathway

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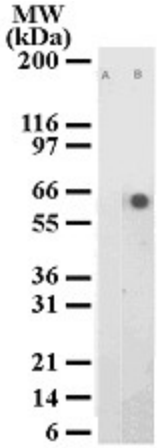
Product images:



Flow Cytometry: ATF2 [p Thr71] Antibody (103C411.2) TA336422 - Detection of ATF2 phosphorylation in HeLa cell lysate with phospho ATF2 antibody. Lane A. Untreated cell lysate; Lane B. HeLa cells treated with TNF for 1 hr.