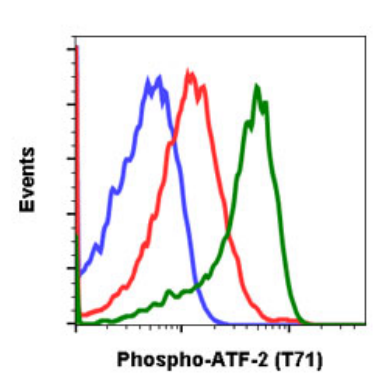
ATF2 (phospho T71) monoclonal antibody, clone ATF2T71-G3

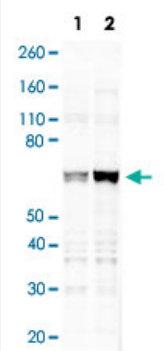
Catalog # MAB18798 Size 20 uL

Applications



Flow Cytometry

Flow cytometric analysis of Jurkat cells with ATF2 (phospho T71) monoclonal antibody, clone G3 (Cat # MAB18798). Secondary antibody only negative control (blue) or untreated (red) or treated with anisomycin (green).



Western Blot (Cell lysate)

Western Blot analysis of 293T cell lysate with ATF2 (phospho T71) monoclonal antibody, clone G3 (Cat # MAB18798). Lane 1: untreated or Lane 2: treated with UV.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human ATF2.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding T71 of human ATF2.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A/G purification

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Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.1% BSA and 0.02% sodium azide).
Storage Instruction	Store at -20°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Western Blot (Cell lysate)

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Gene Info — ATF2

Entrez GeneID	1386
Gene Name	ATF2
Gene Alias	CRE-BP1, CREB2, HB16, MGC111558, TREB7
Gene Description	activating transcription factor 2
Omim ID	123811
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA bin ding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrom e. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent tran scription. The protein is also a histone acetyltransferase (HAT) that specifically acetylates histone s H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate tran scription by direct effects on chromatin components. Additional transcript variants have been iden tified but their biological validity has not been determined. [provided by RefSeq

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Other Designations	OTTHUMP00000163262|activating transcription factor 2 splice variant ATF2-var2|cAMP responsive element binding protein 2, formerly

Pathway

- MAPK signaling pathway

Disease

- Bipolar Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Schizophrenia
- Tobacco Use Disorder

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