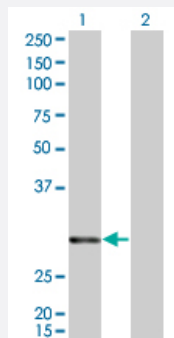


ATF2 monoclonal antibody (M01A), clone 4C12

Catalog # H00001386-M01A

Size 200 uL

Applications

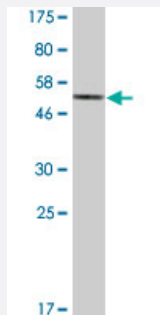


Western Blot (Transfected lysate)

Western Blot analysis of ATF2 expression in transfected 293T cell line by ATF2 monoclonal antibody (M01A), clone 4C12.

Lane 1: ATF2 transfected lysate(23.1 kDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (48.73 kDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ATF2.
Immunogen	ATF2 (AAH26175, 1 a.a. ~ 209 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.
Sequence	MKFKLHVNSARQYKDLWNMSDDKPFLCTAPGCGQRFTNEDHLAVHKKHHEMTLKFGPARNDS VIVADQTPTPTRFLKNCEEVGLFNELASPFENEFFKASEDDIKMPLDLSPLATPIIRSKIEEPSVV ETTHQDSPLPHPESTTSDEKEVPLAQTAQPTSAMRPASLQVPNVLLTSSDSSVIIQAVPSPTSS TVITQAPSSNRPIV
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (100); Rat (99)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (48.73 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ATF2 expression in transfected 293T cell line by ATF2 monoclonal antibody (M01A), clone 4C12.

Lane 1: ATF2 transfected lysate(23.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ATF2

Entrez GeneID	1386
GeneBank Accession#	BC026175
Protein Accession#	AAH26175
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 binding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent transcription. The protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. Additional transcript variants have been identified but their biological validity has not been determined. [provided by RefSeq]

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](#)