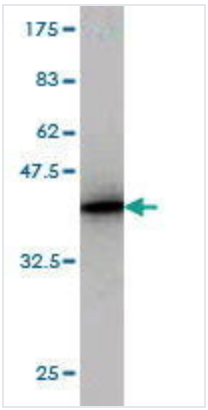
ATF2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ATF2, Monoclonal Antibody
Full Product Name	ATF2 (Cyclic AMP-dependent Transcription Factor ATF-2, cAMP-dependent Transcription Factor ATF-2, Activating Transcription Factor 2, cAMP Resp
Product Gene Name	anti-ATF2 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1E12
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ATF2.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri
Molecular Weight	15,409 Da
Immunogen	Full length recombinant corresponding to aa1-200 from human ATF2 (AAH26175) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MKFKLHVNSARQYKDLWNMSDDKPFLCTAPGCGQRFTNEDHLAVHKHKHEMTLKFGPARNDSVIVADQTPTPTRFLKNCEEVGLFNELASPFENEFKKA
Conjugate	AP
Product Categories/Family for anti-ATF2 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-ATF2 antibody	ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-ATF2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ATF2 antibody	MBS6130109 is an antibody targeting ATF2. Also known as ATF2 (Cyclic AMP-dependent Transcription Factor ATF-2, cAMP-dependent Transcription 2, cAMP-responsive Elem. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-ATF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa additional dry ice fee may apply.



Western Blot (WB) of anti-ATF2 antibody
Western Blot detection against Immunogen (48.73kD).

Immunohistochemistry (IHC) of anti-ATF2 antibody
Immunoperoxidase of monoclonal antibody to ATF2 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3ug/ml].

Immunofluorescence (IF) of anti-ATF2 antibody
Immunofluorescence of monoclonal antibody to ATF2 on HeLa cell. [antibody concentration 10ug/ml].

Testing Data of anti-ATF2 antibody
Detection limit for recombinant GST tagged ATF2 is ~3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATF2. It may not necessarily be applicable to this product.

NCBI GI #	20072896
NCBI GeneID	1386
NCBI Accession #	BC026175
NCBI Related Accession #	AAH26175
UniProt Secondary Accession #	Q13000; Q3B7B7; Q4ZFU9; Q53RY2; Q8TAR1; A1L3Z2; A4D7U4; A4D7U5; A4D7V1; D3DPE9; G8JLM5
UniProt Related Accession #	P15336
NCBI Official Full Name	Homo sapiens activating transcription factor 2, mRNA
NCBI Official Synonym Full Names	activating transcription factor 2
NCBI Official Symbol	ATF2
NCBI Official Synonym Symbols	HB16; CREB2; TREB7; CREB-2; CRE-BP1
Protein Family	Alcohol O-acetyltransferase
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-2
NCBI Summary for ATF2	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. This 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. The encoded protein may also be involved in cell's DNA damage response independent of its role in transcriptional regulation. Several alternatively spliced transcript variants have been found for this gene [provided by RefSeq, Jan 2014]
Research Articles on ATF2	**1.** CARMA1- and MyD88-dependent activation of Jun/ATF-type AP-1 complexes is a hallmark of ABC diffuse large B-cell lymphomas.

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