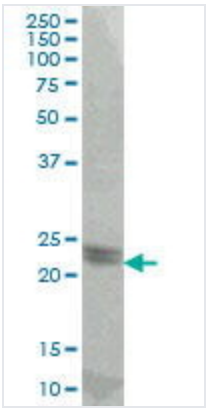
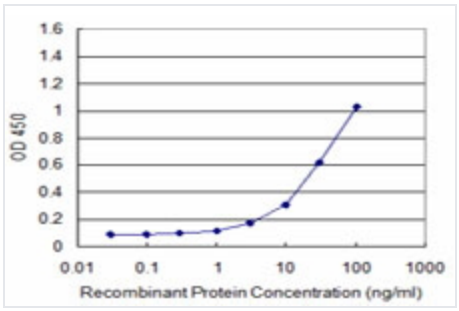
ATF3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ATF3, Monoclonal Antibody
Full Product Name	ATF3 (Activating Transcription Factor 3) (HRP)
Product Gene Name	anti-ATF3 antibody
Product Synonym Names	Activating Transcription Factor 3
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	8D8
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes ATF3.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	ATF3 (AAH06322, 1aa-181aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Conjugate	HRP
Product Categories/Family for anti-ATF3 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-ATF3 antibody	Western Blot (WB)
Application Notes for anti-ATF3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ATF3 antibody	MBS6180346 is an antibody targeting ATF3. Also known as ATF3 (Activating Transcription Factor 3) (HRP). Host: Mouse.
Other Notes	Small volumes of anti-ATF3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ATF3 antibody
ATF3 monoclonal antibody (M02), clone 8D8 Western Blot analysis of ATF3 expression in Hela S3 NE (Cat # L013V3).



Testing Data of anti-ATF3 antibody
Detection limit for recombinant GST tagged ATF3 is approximately 3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATF3. It may not necessarily be applicable to this product.

NCBI GI #	13623445
NCBI GeneID	467
NCBI Accession #	AAH06322
UniProt Related Accession #	P18847
NCBI Official Full Name	Activating transcription factor 3
NCBI Official Synonym Full Names	activating transcription factor 3
NCBI Official Symbol	ATF3
Protein Family	Activating transcription factor
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-3
NCBI Summary for ATF3	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. [provided by RefSeq, Apr 2011]
Research Articles on ATF3	**1.** Findings demonstrated ATF3 as an important regulator of epithelial homeostasis by promoting both DNA repair and the death of damaged cells under ZnO NP-induced genotoxic stress.
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