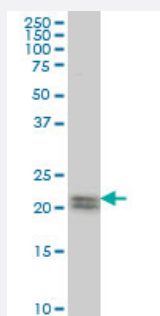


ATF3 monoclonal antibody (M04), clone 8G5

Catalog # H00000467-M04

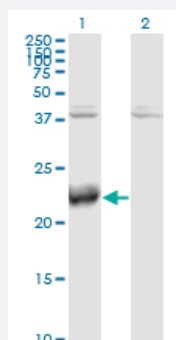
Size 100 ug

Applications



Western Blot (Cell lysate)

ATF3 monoclonal antibody (M04), clone 8G5 Western Blot analysis of ATF3 expression in Hela S3 NE (Cat # L013V3).

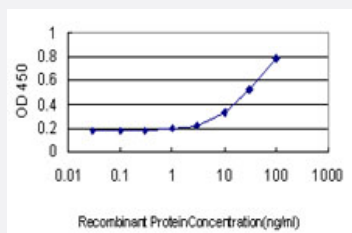


Western Blot (Transfected lysate)

Western Blot analysis of ATF3 expression in transfected 293T cell line by ATF3 monoclonal antibody (M04), clone 8G5.

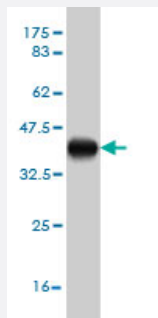
Lane 1: ATF3 transfected lysate(20.6 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATF3 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (45.65 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant ATF3.
Immunogen	ATF3 (AAH06322, 1 a.a. ~ 181 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MMLQHPGQVSASEVSASAVPCLSPPGSLVFEDFANLTPFVKEELRFAIQNKHLCHRMSSALES VTVSDRPLGVSTITKA EVAPEEDERKKRRRERNKIAAAKCRNKKKEKTECLQKESEKLESVNALNK AQIEELKNEKQHLYMLNLHRPTCVRAQNGRTPEDERNLFIQQIKEGTLQS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (45.65 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ATF3 monoclonal antibody (M04), clone 8G5 Western Blot analysis of ATF3 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ATF3 expression in transfected 293T cell line by ATF3 monoclonal antibody (M04), clone 8G5.

Lane 1: ATF3 transfected lysate(20.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATF3 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ATF3

Entrez GeneID [467](#)

GeneBank Accession# [BC006322](#)

Protein Accession# [AAH06322](#)

Gene Name ATF3

Gene Alias -

Gene Description activating transcription factor 3

Omim ID [603148](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Activating transcription factor 3 is a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. Multiple transcript variants encoding two different isoforms have been found for this gene. The longer isoform represses rather than activates transcription from promoters with ATF binding elements. The shorter isoform (deltaZip2) lacks the leucine zipper protein-dimerization motif and does not bind to DNA, and it stimulates transcription presumably by sequestering inhibitory co-factors away from the promoter. It is possible that alternative splicing of the ATF3 gene may be physiologically important in the regulation of target genes. [provided by RefSeq]

Other Designations

ATF3deltaZip2|ATF3deltaZip2c|ATF3deltaZip3|OTTHUMP00000034887|OTTHUMP00000034890

Publication Reference

- [Transcriptional regulators of the \$\Delta\$ Np63: their role in limbal epithelial cell proliferation.](#)

Hsueh YJ, Kuo PC, Chen JK.

Journal of Cellular Physiology 2013 Mar; 228(3):536.

Application: WB-Ti, Rabbit, Cornea, Limbus

Disease

- [Cardiovascular Diseases](#)
- [Cryptorchidism](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypospadias](#)
- [Kidney Failure](#)