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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

ATF3 monoclonal antibody (M01), clone 6B8

Catalog # : H00000467-M01

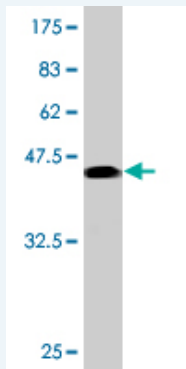
規格 : [100 ug]

[List All](#)

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:	MMLQHPGQVSASEVSASAIVPCLSPPGSLVFEDFANLTPFVKEELRFAIQ NKHLCHRMSALESVTVSDRPLGVSITKAEVAPEEDERKKRRRERNKIAA AKCRNKKKEKTECLQKESKLESVNAELKAQIEELKNEKQHLYMLNLRP TCIVRAQNGRTPEDERNLFIQIQIKEGTLQS
Host:	Mouse
Reactivity:	Human
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.

MSDS: [Download](#)

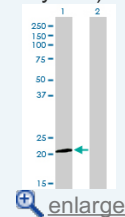
Datasheet: [Download](#)

Publication Reference

- [Transcriptional regulators of the \$\Delta\$ GNp63: Their role in limbal epithelial cell proliferation.](#) Hsueh YJ, Kuo PC, Chen JK. *J Cell Physiol.* 2012 Jul 17. doi: 10.1002/jcp.24160.
- [Steroids and extracellular signal-regulated kinase 1/2 activity suppress activating transcription factor 3 expression in patients with severe asthma.](#) Roussel L, Robins S, Schachter A, Berube J, Hamid Q, Rousseau S. *J Allergy Clin Immunol.* 2011 Apr 22. [Epub ahead of print]
- [Energy restriction-mimetic agents induce apoptosis in prostate cancer cells, in part, through epigenetic activation of KLF6 tumor suppressor gene expression.](#)

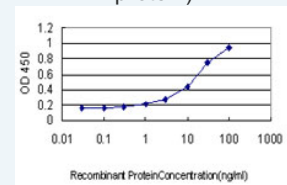
Application Image

Western Blot (Transfected lysate)



Western Blot (Recombinant protein)

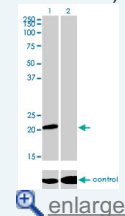
Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA

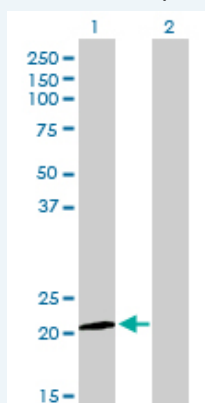
RNAi Knockdown (Antibody validated)



[enlarge](#)

Applications

Western Blot (Transfected lysate)



Western Blot analysis of ATF3 expression in transfected 293T cell line by ATF3 monoclonal antibody (M01), clone 6B8.

Lane 1: ATF3 transfected lysate (20.6 kDa).

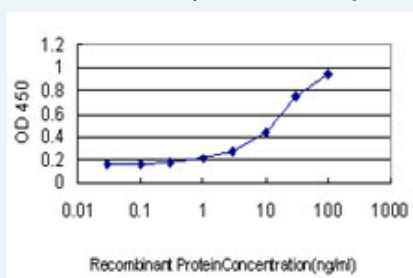
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

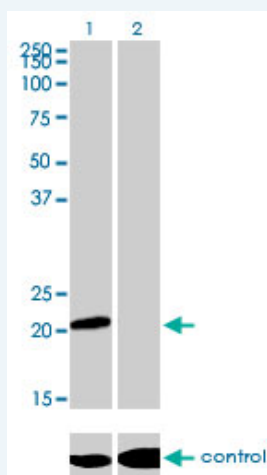


Detection limit for recombinant GST tagged ATF3 is approximately 1 ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

RNAi Knockdown (Antibody validated)



Western blot analysis of ATF3 over-expressed 293 cell line, cotransfected with ATF3 Validated Chimera RNAi (Cat # H00000467-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ATF3 monoclonal antibody (M01), clone 6B8 (Cat # H00000467-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Information

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

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