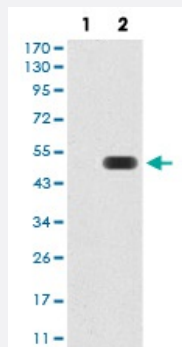


ATF3 monoclonal antibody, clone 5A9B9

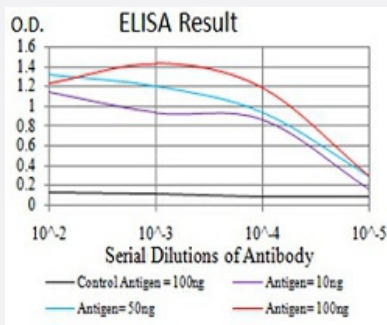
Catalog # MAB16755 Size 100 ug

Applications



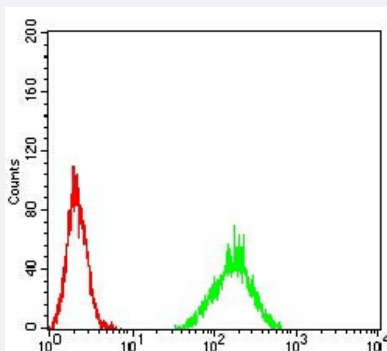
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: ATF3-hlgGFc transfected HEK293 cell with ATF3 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ATF3 monoclonal antibody, clone 5A9B9.



Flow Cytometry

Flow cytometric analysis of A549 cells with ATF3 monoclonal antibody (green) and negative control (red).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant human ATF3.

Immunogen	Recombinant protein corresponding to amino acid 1-181 of human ATF3 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	20.6
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: ATF3-hlgGfc transfected HEK293 cell with ATF3 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ATF3 monoclonal antibody, clone 5A9B9.

- Flow Cytometry

Flow cytometric analysis of A549 cells with ATF3 monoclonal antibody (green) and negative control (red).

Gene Info — ATF3

Entrez GeneID	467
Gene Name	ATF3
Gene Alias	-

Gene Description	activating transcription factor 3
Omim ID	603148
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	ATF3deltaZip2 ATF3deltaZip2c ATF3deltaZip3 OTTHUMP00000034887 OTTHUMP00000034890

Disease

- [Cardiovascular Diseases](#)
- [Cryptorchidism](#)
- [Diabetes Mellitus](#)
- [Edema](#)
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- [Hypospadias](#)
- [Kidney Failure](#)