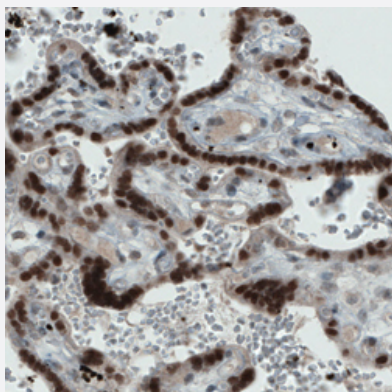


# ATF3 monoclonal antibody, clone CL1685

Catalog # MAB15720      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with ATF3 monoclonal antibody, clone CL1685 (Cat # MAB15720) shows strong nuclear immunoreactivity in the trophoblast.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant human ATF3.
<b>Immunogen</b>	Recombinant protein corresponding to human ATF3.
<b>Epitope</b>	This antibody binds to an epitope located within the peptide sequence ASAMPCLSPPGSLV as determined by overlapping synthetic peptides.
<b>Sequence</b>	MMLQHPGQVSASEVSASAMPCLSPPGSLVFEDFANLTPFVKEELRFAIQNKHLCHRMSSALES VTVSDRPLGVSITKA EVAPEEDERKKRRRRERNKIAAAKCRNKKKEKTEC
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A purification
<b>Isotype</b>	IgG1

<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — ATF3

<b>Entrez GeneID</b>	<a href="#">467</a>
<b>Protein Accession#</b>	<a href="#">P18847</a>
<b>Gene Name</b>	ATF3
<b>Gene Alias</b>	-
<b>Gene Description</b>	activating transcription factor 3
<b>Omim ID</b>	<a href="#">603148</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

<b>Gene Summary</b>	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]
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<b>Other Designations</b>	ATF3deltaZip2 ATF3deltaZip2c ATF3deltaZip3 OTTHUMP00000034887 OTTHUMP00000034890
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## Disease

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