

Mouse anti-Human ATF3 Monoclonal Antibody | anti-ATF3 antibody

Mouse monoclonal antibody Anti-Human ATF3

CATALOG # AAA36466	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunocytochemistry
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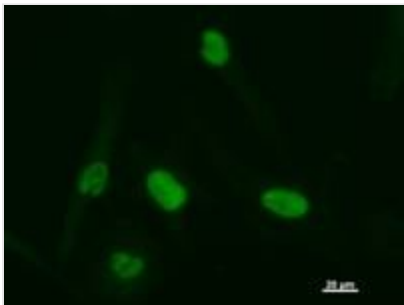
PRODUCT SYNONYMS

ATF3; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human ATF3; Homo sapiens activating transcription factor 3; anti-ATF3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	44C3a
Form/Format	Mouse Monoclonal anti human ATF3 antibody in PBS (3.0 mM KCl, 1.5mM KH ₂ PO ₄ , 140 mM NaCl, 8.0 mM Na ₂ HPO ₄ (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN ₃)
Sequence Length	124
Applicable Applications for anti-ATF3 antibody	ICC (Immunocytochemistry)
Preparation	This antibody was purified using protein A column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Sterility	Filtered through a 0.22 um membrane.
Disposal	This antibody solution contains sodium azide (NaN ₃) as a preservative. There is a potential hazard that NaN ₃ reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.
Safety warning and precautions	Caution must be taken to avoid contact with skin or eyes. In such case, rinse thoroughly at once with water. Do not ingest, inhale or swallow. Seek medical attention immediately. Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves. It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice. All chemicals are deemed potentially harmful. The vial is prone to fall over. Use caution, especially when the lid is off.
Preparation and Storage	Store at 2-8°C for up to one year. We recommend storing at -20°C for long term storage. Avoid repeat freezing and thawing cycles.

IMAGES



Quality Control #2
Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.

ICC (Immunocytochemistry)
Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-ATF3 mAb.



Quality Control
Western blot analysis of immunized recombinant protein, using anti-ATF3 monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ATF3 antibody

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. [NCBI Entrez Gene Summary]

NCBI AND UNIPROT INFORMATION

NCBI GI #	95102480
NCBI GeneID	467
NCBI Accession #	NP_004015.4
NCBI GenBank Nucleotide #	NM_004024
NCBI Official Synonym Full Names	activating transcription factor 3
NCBI Official Symbol	ATF3
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-3
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-3
UniProt Gene Name	ATF3
UniProt Entry Name	ATF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/atf3-antibody-clone-44c3a-immunocytochemistry-elisa/36466>