

Rabbit ATF3 Polyclonal Antibody | anti-ATF3 antibody

ATF3 Antibody (C-term)

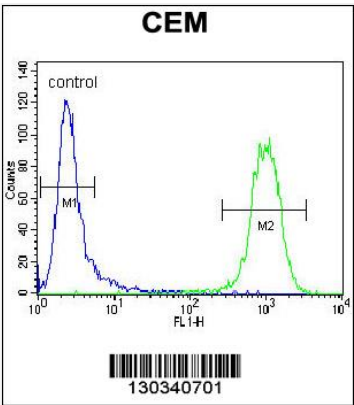
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289690	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

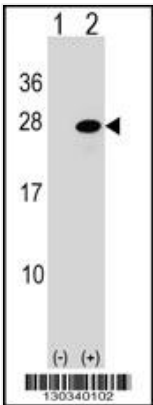
ATF3; Polyclonal Antibody; ATF3 Antibody (C-term); Cyclic AMP-dependent transcription factor ATF-3; cAMP-dependent transcription factor ATF-3; Activating transcription factor 3; anti-ATF3 antibody

PRODUCT SPECIFICATIONS

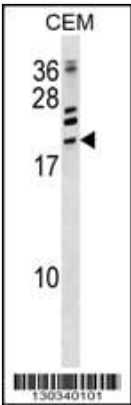
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ATF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-168 amino acids from the C-terminal region of human ATF3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.3 (varies by lot)
Sequence Positions	140-168
Sequence Length	124
Applicable Applications for anti-ATF3 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
ATF3 Antibody (C-term) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of ATF3 (arrow) using rabbit polyclonal ATF3 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ATF3 gene.



WB (Western Blot)
ATF3 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the ATF3 antibody detected the ATF3 protein (arrow).

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.
Product Categories/Family for anti-ATF3 antibody	Cancer
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Lee, S.H., et al. Oncogene 29(37):5182-5192(2010) Park, H.J., et al. Biochem. Biophys. Res. Commun. 400(1):72-77(2010) Wu, X., et al. Nature 465(7296):368-372(2010) Koh, I.U., et al. FEBS J. 277(10):2304-2317(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	71902536
NCBI GeneID	467
NCBI Accession #	NP_001025458.1; NP_001035709.1; NP_001193413.2; NP_001193415.1; NP_001193417.2; NP_001665.1
NCBI GenBank Nucleotide #	NM_001030287.3
UniProt Accession #	P18847; Q5VTZ2; Q6ICQ9; Q7Z566; Q8WYM6
Molecular Weight	20576
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-3 isoform 1
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 Synonym Gene Names	cAMP-dependent transcription factor ATF-3
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://www.aaabiotech.com/polyclonal/atf3-antibody-flow-cytometry-western-blot-elisa/289690>