

**ATF3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16577b****Specification**

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**ATF3 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P18847](#)**ATF3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 467**Other Names**

Cyclic AMP-dependent transcription factor ATF-3, cAMP-dependent transcription factor ATF-3, Activating transcription factor 3, ATF3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ATF3 Antibody (C-term) Blocking Peptide - Protein Information****Name** ATF3 {ECO:0000303|PubMed:7515060, ECO:0000312|HGNC:HGNC:785}**Function**

This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Represses transcription from promoters with ATF sites. It may repress transcription by stabilizing the binding of inhibitory cofactors at the promoter.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:12034827}

**ATF3 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**ATF3 Antibody (C-term) Blocking Peptide - Images**

**ATF3 Antibody (C-term) Blocking Peptide - Background**

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.

**ATF3 Antibody (C-term) Blocking Peptide - 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)