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ATF1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP4862b

Specification

ATF1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P18846

ATF1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 466

Other Names
Cyclic AMP-dependent transcription factor ATF-1, cAMP-dependent transcription factor ATF-1, Activating transcription factor 1, Protein TREB36, ATF1

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.

ATF1 Antibody (C-term) Blocking Peptide - Protein Information

Name ATF1

Function
This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes. Represses the expression of FTH1 and other antioxidant detoxification genes. Triggers cell proliferation and transformation.

Cellular Location
Nucleus.

ATF1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ATF1 Antibody (C-term) Blocking Peptide - Images

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ATF1 Antibody (C-term) Blocking Peptide - Background

ATF1 binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. ATF1 binds to the Tax-responsive element (TRE) of HTLV-I. ATF1 mediates PKA-induced stimulation of CRE-reporter genes.

ATF1 Antibody (C-term) Blocking Peptide - References

Wang, W.L., et al. Mod. Pathol. 22(9):1201-1209(2009)Vega, A., et al. Gynecol. Oncol. 112(1):210-214(2009)Zheng, D., et al. Cancer Res. 68(18):7650-7660(2008)