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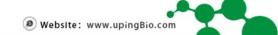
ATF-1 Polyclonal Antibody

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Applications WB:IHC:IF:ELISA Gene Name ATF1 Protein Name Cyclic AMP-dependent transcription factor ATF-1 Immunogen The antiserum was produced against synthesized peptide derived from human ATF1. AA range:31-80 Specificity ATF-1 Polyclonal Antibody detects endogenous levels of ATF-1 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms ATF1; Cyclic AMP-dependent transcription factor ATF-1; cAMP-dependent transcription factor ATF-1; Activating transcription factor 1; Protein TREB36 Observed Band 29kD Cell Pathway Nucleus. Tissue Specificity Bone marrow, disease: A chromosomal aberration involving ATF1 is associated with angiomate fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;16)(q13;p11.2) with FUS generates a chimeric ATF1/FUS protein., disease: A chromosomal aberration involving ATF1 is associated with angiomate attraction. This protein indicator (TRE) of HTLV-1. MIM:612160]. Translocation (1(2;2)(q13;12) with EWSR1 generates a chimeric ATF1/FUS protein., disease: A chromesomal aberration involving ATF1 is associated with angiomate involving ATF	Catalog No	YP-Ab-01545
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Background

activating transcription factor 1(ATF1) Homo sapiens This gene encodes an activating transcription factor, which belongs to the ATF subfamily and bZIP (basic-region leucine zipper) family. It influences cellular physiologic processes by regulating the expression of downstream target genes, which are related to growth, survival, and other cellular activities. This protein is phosphorylated at serine 63 in its kinase-inducible domain by serine/threonine kinases, cAMP-dependent protein kinase A, calmodulin-dependent protein kinase I/II, mitogen- and stress-activated protein kinase and cyclin-dependent kinase 3 (cdk-3). Its phosphorylation enhances its transactivation and transcriptional activities, and enhances cell transformation. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in angiomatoid fibrous histiocytoma and clear cell sarcoma. This gene has a pseudogene on chro

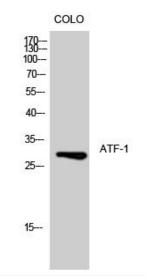
matters needing attention

Avoid repeated freezing and thawing!

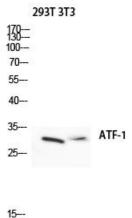
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

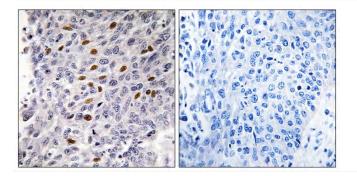
Products Images



Western Blot analysis of COLO cells using ATF-1 Polyclonal Antibody diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of 293T 3T3 lysis using ATF-1 antibody. Antibody was diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



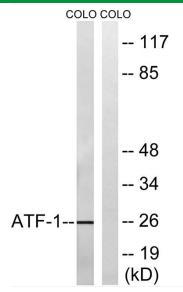
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ATF1 Antibody. The picture on the right is blocked with the synthesized peptide.



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Western blot analysis of lysates from COLO cells, using ATF1 Antibody. The lane on the right is blocked with the synthesized peptide.