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# ATF-1 Polyclonal Antibody

fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;16)(q13;p11.2) wince FUS generates a chimeric ATF1/FUS protein., disease: A chromosomal aberration involving ATF1 is associated with angiomatoid fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;22)(q13;q12) with EWSR1 generates a chime ATF1/EWSR1 protein., 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., similarity: Belongs to the bZIP family. ATF subfamily., similarity: Contains 1 bZIP domain., similarity: Contains 1 KID (kinase-inducible) domain., subunit: Binds DN/		
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
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 290%  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 (1(2;16)(a7;p.11.2) with EVRS1 generates a chimeric ATF1/FUS protein, diseases -A chromosomal aberration involving ATF1 is associated with angiomatoid fibrous histiocytoma (AFH) [MIM:6122160]. Translocation (1(2;2)(4)(3;4);2) with EVRS1 generates a chimeric ATF1/FUS protein, diseases -A chromosomal element (TRE) of HTLV-1. Mediates PKA-induced stimulation of CRE-reporter genes, 3), a sequence present in many vira and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-1. Mediates PKA-induced stimulation of CRE-reporter genes, similarity; Belongs to the bZIP family, ATF subfamily, similarity; Contains 1 bZIP domain, subunit Binos DN.	Isotype	IgG
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 angiomatoid fibrous histiocytoma (AFH) [MIM:612160]. Translocation (1(21;16)(43;17):1.2) with EWSR1 generates a chime ATF1/EUS protein, diseases: A chromosomal aberration involving ATF1 is associated with angiomatoid fibrous histiocytoma (AFH) [MIM:612120]. Translocation (1(22:2	Reactivity	Human;Mouse
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.  Function disease: A chromosomal aberration involving ATF1 is associated with angiomate fibrous histocytoma (AFH) [MIM:612160]. Translocation t(12;16)(q13:p11.2) wif FUS generates a chimeric ATF1/FUS protein, disease: A chromosomal aberration involving ATF1 is associated with angiomate fibrous histocytoma (AFH) [MIM:612160]. Translocation t(12;29)(q13:q12) with EWSR¹ generates a chimeric ATF1/FUS protein, disease: A chromosomal aberration involving ATF1 is associated with angiomate fibrous histocytoma (AFH) [MIM:612160]. Translocation t(12;29)(q13:q12) with EWSR¹ generates a chimeric ATF1/FUS protein, disease: A chromosomal aberration involving ATF1 is associated with angiomate involving ATF1 is associated with angiomate involving ATF1 is associated with angiomate involving ATF1 is associated with angiomatic fibrous histocytoma (AFH) [MIM:612160]. Translocation t(12;29)(q13:q12) with EWSR¹ generates a chimeric ATF1/FUS protein, disease: A chromosomal aberration involving ATF1 is associated with angiomatic fibrous histocytoma (AFH) [MIM:612160]. Translocation t(12;29)(q13:q12) with EWSR¹ generates a chimeric ATF1/FUS protein binds the cAMP response element (TRE) (consensus: 5'-GTGAC	Applications	WB;IHC;IF;ELISA
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 histocytoma (AFH) [MIM:612160]. Translocation t(12;16)(q13:p11.2) wir FUS generates a chimeric ATF1/FUS protein, disease: A chromosomal aberration involving ATF1 is associated with angiomatorial involving ATF1 is associated with angiomatorial districts instructions associated with angiomatorial districts instruction and ATF1/EWSR1 protein, disease: A chromosomal aberration involving ATF1 is arrows and ATF1/EWSR1 protein, disease: A chromosomal aberration involving ATF1 is arrows and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-1. Mediates PKA-induced stimulation of CRE-reporter genes, similarity. Eleonys to the bZIP family. ATF subfamily, similarity. Contains 1 bZIP domain., similarity. Contains 1 bZIP	Gene Name	ATF1
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  290%  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) wif FUS generates a chimeric ATF1/FUS protein., disease: A chromosomal aberration involving ATF1 is associated with angiomate with angiomated fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;16)(q13;p11.2) wif FUS generates a chimeric ATF1/FUS protein. Junction: historious histiocytoma (AFH) [MIM:612160]. Translocation t(12;20)(q13;q12) with EWSR1 generates a chimer ATF1/FUSR7 protein. Junction: This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC]AG]-3'), a sequence present in many vira and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes., similarity: Belongs to the bZIP family. ATF subfamily., similarity: Contains: 1 bZIP  domain., similarity: Contains: 1 bZIP  domain., similarity: Contains: 1 bZIP	Protein Name	Cyclic AMP-dependent transcription factor ATF-1
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 1(12;16)(q13;p11.2) wir FUS generates a chimeric ATF1/FUS protein. disease:A chromosomal aberration involving ATF1 is associated with angiomatoid fibrous histiocytoma (AFH) [MIM:612160]. Translocation 1(12;22)(q13;q12) with EWSR1 generates a chimer (AFF1/FUS protein binds the CAMP response element (CRE) (consensus: 5'-GTGACGTIAC](AG]-3'), a sequence present in many vira and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes, similarity:Belongs to the bZIP family. ATF subfamily. Similarity:Contains 1 kZIP (domain., sublarity:Contains 1 KID (kinase-inducible) domain., subunit:Binds DN.	Immunogen	
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 (1/2;16)(q13;p11.2) wir FUS generates a chimeric ATF1/EVS protein, disease:A chromosomal aberration involving ATF1 is associated with angiomated aberration involving ATF1 is associated with angiomatoid fibrous histiocytoma (AFH) [MIM:612160]. Translocation (1/2;22)(q13;q12) with EWSR1 generates a chimeric ATF1/EWSR1 protein, function: This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many vira and cellular promoters. Binds to the Tax-responsive element (TRE) of HTU-V-I. Mediates PKA-induced stimulation of CRE-reporter genes, similarity: Belongs to the bZIP family. ATF subfamily, similarity: Contains 1 bZIP domain, similarity: Contains 1 bZIP domain.	Specificity	ATF-1 Polyclonal Antibody detects endogenous levels of ATF-1 protein.
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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,         Function       disease:A chromosomal aberration involving ATF1 is associated with angiomate fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;16)(q13;p11.2) wif FUS generates a chimeric ATF1/FUS protein, disease:A chromosomal aberration involving ATF1 is associated with angiomatoid fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;22)(q13;q12) with EWSR1 generates a chimeric ATF1/EWSR1 protein, function: This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AC][AG]-3'), a sequence present in many viral and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-1. Mediates PKA-induced stimulation of CRE-reporter genes, similarity: Belongs to the bZIP family. ATF subfamily. similarity: Contains 1 bZIP domain., similarity: Contains 1 bXID (kinase-inducible) domain., subunit: Binds DNA	Purification	•
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,  Function 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 angiomatoid fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;22)(q13;q12) with EWSR1 generates a chimer (CRE) (consensus: 5'-GTGACGT[AC[IAG]-3'), a sequence present in many vire and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes., similarity:Belongs to the bZIP family. ATF subfamily., similarity:Contains 1 bZIP domain., similarity:Contains 1 KID (kinase-inducible) domain., subunit:Binds DN/	Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200
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  Bone marrow,  Function  disease:A chromosomal aberration involving ATF1 is associated with angiomate fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;16)(q13;p11.2) wire FUS generates a chimeric ATF1/FUS protein., disease:A chromosomal aberration involving ATF1 is associated with angiomator involving	Concentration	1 mg/ml
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transcription factor ATF-1; Activating transcription factor 1; Protein TREB36  Observed Band  29kD  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) wire FUS generates a chimeric ATF1/FUS protein., disease: A chromosomal aberration involving ATF1 is associated with angiomatoid fibrous histiocytoma (AFH) [MIM:612160]. Translocation t(12;22)(q13;q12) with EWSR1 generates a chimer ATF1/EWSR1 protein., function: This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many virtual calculular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes., similarity:Belongs to the bZIP family. ATF subfamily., similarity:Contains 1 bZIP domain., similarity:Contains 1 KID (kinase-inducible) domain., subunit:Binds DN/	Storage Stability	-20°C/1 year
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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

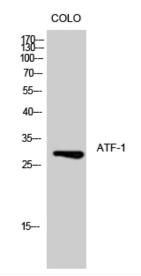
# matters needing attention

Avoid repeated freezing and thawing!

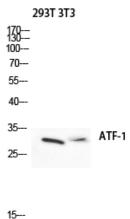
### **Usage suggestions**

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

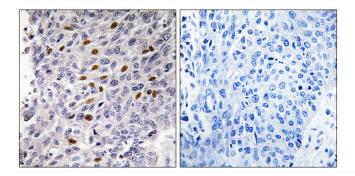
## **Products Images**



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).



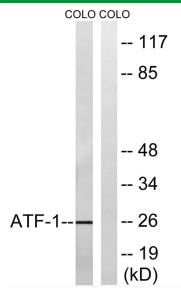
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ATF1 Antibody. The picture on the right is blocked with the synthesized peptide.



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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.