

Rabbit ATF1 Polyclonal Antibody | anti-ATF1 antibody

Phospho-ATF1 (Ser198) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328406	Rabbit	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus	ELISA, Immunohistochemistry, Western Blot

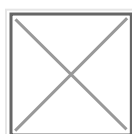
PRODUCT SYNONYMS

ATF1; Polyclonal Antibody; Phospho-ATF1 (Ser198) Antibody; Activating transcription factor 1; ATF 1; atf1; ATF1 EWS fusion gene; ATF1 FUS fusion gene; ATF1_HUMAN; cAMP dependent transcription factor 1; cAMP-dependent transcription factor ATF-1; Cyclic AMP dependent transcription factor ATF 1; Cyclic AMP dependent transcription factor ATF1; Cyclic AMP-dependent transcription factor ATF-1; EWS AFT1; FUS ATF 1; FUS/ATF 1; Protein TREB36; RNA binding protein activating transcription factor 1 fusion protein; TREB 36; TREB36; TREB36 protein; anti-ATF1 antibody

PRODUCT SPECIFICATIONS

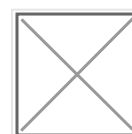
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-ATF1 (Ser198) Antibody detects endogenous levels of ATF1 only when phosphorylated at Ser198.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	271
Applicable Applications for anti-ATF1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ATF1 around the phosphorylation site of Ser198.
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-ATF1 (Ser198) in lysates of HT29 Insulin 0.01U/ML 15', using Phospho-ATF1 (Ser198) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining rat heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining mouse liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-ATF1 antibody	Description: 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. Post Translational Modifications: Phosphorylated at Ser-198 by HIPK2 in response to genotoxic stress. This phosphorylation promotes transcription repression of FTH1 and other antioxidant detoxification genes. The CDK3-mediated phosphorylation at Ser-63 promotes its transactivation and transcriptional activities. Phosphorylated at Ser-63 by RPS6KA4 and RPS6KA5 in response to mitogenic or stress stimuli. Subunit Structure: Binds DNA as a dimer. Interacts with HIPK2 and CDK3. Similarity: Belongs to the bZIP family. ATF subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885073
NCBI GeneID	466
NCBI Accession #	NP_005162.1
NCBI GenBank Nucleotide #	NP_005162.1
UniProt Accession #	P18846
Molecular Weight	Observed: 29 kDa Predicted: 30 kDa
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-1
NCBI Official Synonym Full Names	activating transcription factor 1
NCBI Official Symbol	ATF1
NCBI Official Synonym Symbols	TREB36; EWS-ATF1; FUS/ATF-1
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-1
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-1
UniProt Gene Name	ATF1
UniProt Synonym Gene Names	cAMP-dependent transcription factor ATF-1
UniProt Entry Name	ATF1_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.