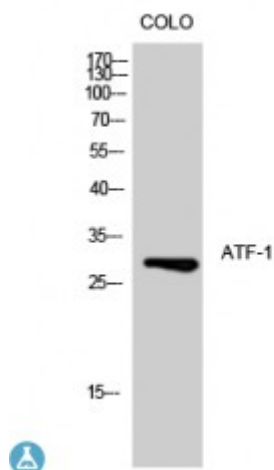


Anti-ATF-1 antibody



Description	Rabbit polyclonal to ATF-1.
Model	STJ91743
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human ATF-1 around the non-phosphorylation site of S63.
Immunogen Region	1-80 aa
Gene ID	466
Gene Symbol	ATF1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	ATF-1 Polyclonal Antibody detects endogenous levels of ATF-1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cyclic AMP-dependent transcription factor ATF-1 cAMP-dependent transcription factor ATF-1 Activating transcription factor 1 Protein TREB36
Molecular Weight	29 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:783OMIM:123803
Alternative Names	Cyclic AMP-dependent transcription factor ATF-1 cAMP-dependent transcription factor ATF-1 Activating transcription factor 1 Protein TREB36
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 Localization	Nucleus.
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.