



ATF-5 Polyclonal Antibody

Catalog No	YP-Ab-01555
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ATF5
Immunogen	The antiserum was produced against synthesized peptide derived from human ATF5. AA range:221-270
Specificity	ATF-5 Polyclonal Antibody detects endogenous levels of ATF-5 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	Activating transcription factor 5 alpha/beta;Activating transcription factor 5; Activating transcription factor X;AFTA;ATF 5;ATF 7;ATF7;ATFX;BZIP protein ATF7;cAMP dependent transcription factor ATF 5;cAMP dependent transcription factor ATF5;Cyclic AMP dependent transcription factor ATF 5;Cyclic AMP dependent transcription factor ATF5;FLJ34666;HMFN0395;MGC102397;NAP1; NRIF3 associated protein;ODA 10;Transcription factor ATFx;Transcription factor like protein ODA 10;Transcription factor like protein ODA10;ATF5;Cyclic AMP-dependent transcription factor ATF-5;cAMP-dependent transcription factor ATF-5
Observed Band	31kD
Calculated Molecular Weight	31kD
Cell Pathway	Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Actively transported to the centrosome and accumulated in the pericentriolar material (PCM) during G1 to M phase via a microtubule-dependent mechanism. During late telophase and cytokinesis, translocates from the centrosome to the midbody. .
Tissue Specificity	Widely expressed with higher expression levels in liver.



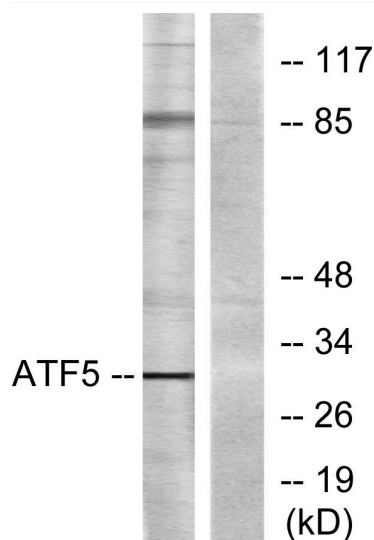
Function	function:Transcriptional activator which binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters and blocks the differentiation of neuroprogenitor cells into neurons. Its transcriptional activity is enhanced by CCND3 and slightly inhibited by CDK4.,similarity:Belongs to the bZIP family.,similarity:Contains 1 bZIP domain.,subunit:Binds DNA as a dimer. Interacts with PTP4A1/PRL-1 (By similarity). Interacts with CCND3, but not with CCND1 or CCND2.,
Background	function:Transcriptional activator which binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters and blocks the differentiation of neuroprogenitor cells into neurons. Its transcriptional activity is enhanced by CCND3 and slightly inhibited by CDK4.,similarity:Belongs to the bZIP family.,similarity:Contains 1 bZIP domain.,subunit:Binds DNA as a dimer. Interacts with PTP4A1/PRL-1 (By similarity). Interacts with CCND3, but not with CCND1 or CCND2.,
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.



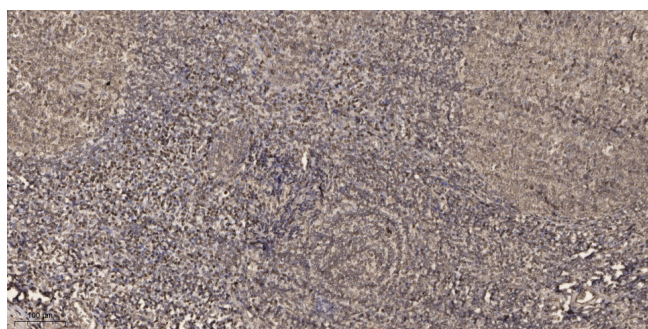
Products Images



Western Blot analysis of various cells using ATF-5 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from Jurkat cells, using ATF5 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).