

Recombinant ATF1 Monoclonal Antibody

catalog number: **AN301850L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

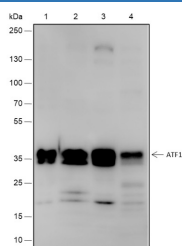
Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human ATF1 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C111472
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

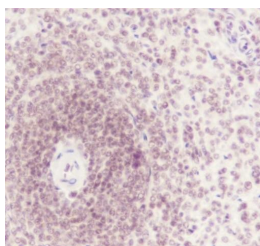
WB	1:500-1:1000
IHC	1:100-1:1000
IF	1:50
FCM	1:50-1:100

Data

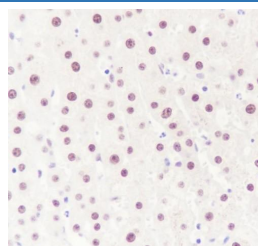
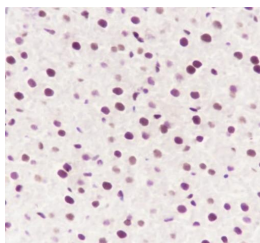


Western Blot with ATF1 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: HCT-116, Lane 3: K562, Lane 4: HepG2

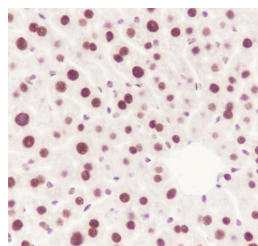
Observed-MW:35 kDa
Calculated-MW:29 kDa



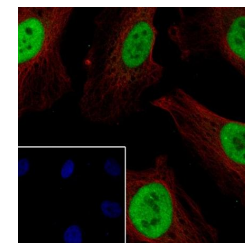
Immunohistochemistry of paraffin-embedded Human spleen using ATF1 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human liver using ATF1 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Mouse liver using ATF1 Monoclonal Antibody at dilution of 1:100.



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Web: www.elabscience.com

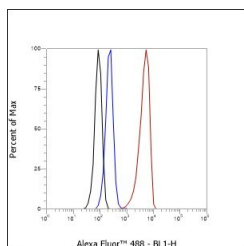
Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.2

Immunohistochemistry of paraffin-embedded Rat liver using ATF1 Monoclonal Antibody at dilution of 1:1000.

Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-ATF1 Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of mouse ATF1 expression on HeLa cells. Cells were stained with purified anti-Mouse ATF1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

ATF-1 is a bZIP transcription factor that is a member of the cyclic AMP (cAMP)-response element-binding protein (CREB) family. Like other members of the CREB family, ATF-1 mediates signals from numerous physiological stimuli and activates target genes through cAMP-response elements, resulting in the regulation of a broad array of cellular responses. ATF-1 can be phosphorylated at Ser63 by protein kinase A (PKA), calmodulin-dependent protein kinase (CaMK), and cyclin-dependent kinase 3 (CDK3), which recruits CBP/p300 and enhances transcriptional activity. ATF-1 expression levels have been found to be elevated in lymphomas and metastatic melanoma cells, where it contributes to tumor growth.