



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

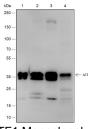
HostRabbitIsotypeIgG, κ CloneA562

Purification Protein A purified

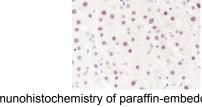
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution WB 1:500-1:1000 IHC 1:100-1:1000 IF 1:50 FCM 1:50-1:100

Data

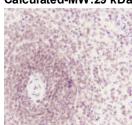


Western Blot with ATF1 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: HCT-116, Lane 3: K562,

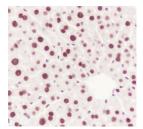


Immunohistochemistry of paraffin-embedded Human liver using ATF1 Monoclonal Antibody at dilution of 1:100.

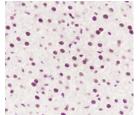
Lane 4: HepG2
Observed-MW:35 kDa
Calculated-MW:29 kDa

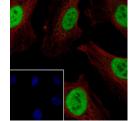


Immunohistochemistry of paraffin-embedded Human spleen using ATF1 Monoclonal Antibody at dilution of 1:1000.



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





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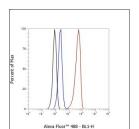
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Immunohistochemistry of paraffin-embedded Rat liver using Immunofluorescent analysis of (4% Paraformaldehyde) fixed ATF1 Monoclonal Antibody at dilution of 1:1000. HeLa cells using anti-ATF1 Monoclonal Antibody at dilution of 1:50.



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.

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