Recombinant USF1 Monoclonal Antibody

catalog number: **AN301925L**

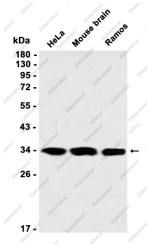
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human USF1
Host	Rabbit
Isotype	Rabbit IgG
Clone	C131546
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:2000-1:20000
FCM	1:10-1:100

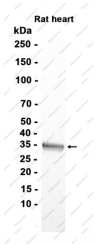
Data



Western blot analysis of HeLa, Ramos and Mouse brain cell lysates using USF1 Antibody (AN301925L) at a dilution of 1:1000.

Observed-MW:34 kDa

Calculated-MW:34 kDa



Western blot analysis of Rat heart cell lysates using USF1 Antibody (AN301925L) at a dilution of 1:5000.

Observed-MW:34 kDa

Calculated-MW:34 kDa

Preparation & Storage

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

Background

Upstream stimulatory factor 1 (USF1), also name Class B basic helix-loop-helix protein. It is a major late transcription factor. USF1 is a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E box motifs. USF1 has been linked to familial combined hyperlipidemia (FCHL). The USF1 exists two isoform and the calculated molecular weight of USF1 is a 32 kDa and 27 kDa. USF1 has acetylated form and phosphorylated form, so the molecular weight of USF1 can migrate to about 40 kDa.

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