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USF1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant USF1.
Catalog # AT4476a

Product Information

Application	WB, E
Primary Accession	P22415
Other Accession	BC035505
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3F6
Calculated MW	33538

Additional Information

Gene ID	7391
Other Names	Upstream stimulatory factor 1, Class B basic helix-loop-helix protein 11, bHLHb11, Major late transcription factor 1, USF1, BHLHB11, USF
Target/Specificity	USF1 (AAH35505, 1 a.a. ~ 310 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	USF1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

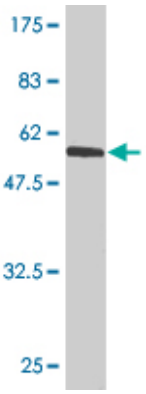
Background

This gene encodes 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. This gene has been linked to familial combined hyperlipidemia (FCHL). Two transcript variants encoding distinct isoforms have been identified for this gene.

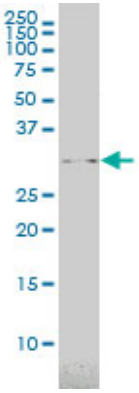
References

1.A role of DNA-PK for the metabolic gene regulation in response to insulin.Wong RH, Chang I, Hudak CS, Hyun S, Kwan HY, Sul HS.Cell. 2009 Mar 20;136(6):1056-72.

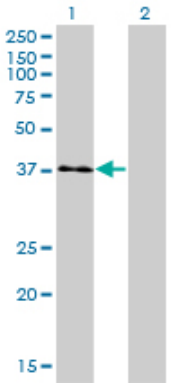
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (59.84 KDa) .

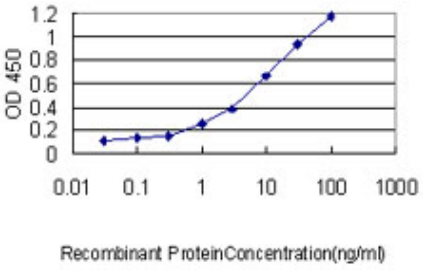


USF1 monoclonal antibody (M01), clone 3F6 Western Blot analysis of USF1 expression in K-562 ((Cat # AT4476a)



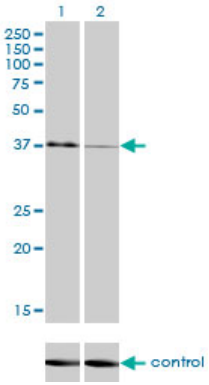
Western Blot analysis of USF1 expression in transfected 293T cell line by USF1 monoclonal antibody (M01), clone 3F6.

Lane 1: USF1 transfected lysate(33.5 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged USF1 is approximately 0.03ng/ml as a capture antibody.

Western blot analysis of USF1 over-expressed 293 cell line, cotransfected with USF1 Validated Chimera RNAi ((Cat # AT4476a)



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.