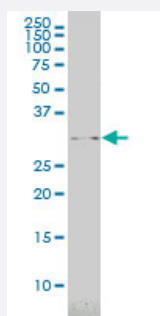


USF1 monoclonal antibody (M01), clone 3F6

Catalog # H00007391-M01

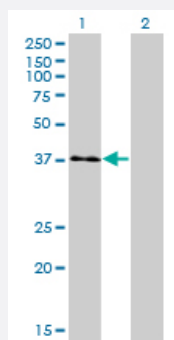
Size 100 ug

Applications



Western Blot (Cell lysate)

USF1 monoclonal antibody (M01), clone 3F6 Western Blot analysis of USF1 expression in K-562 (Cat # L009V1).

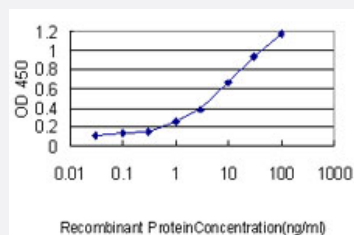


Western Blot (Transfected lysate)

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

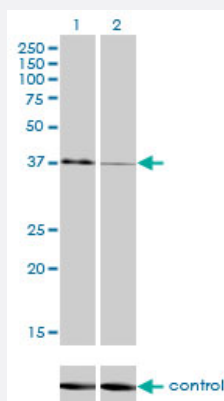
Lane 1: USF1 transfected lysate(33.5 KDa).

Lane 2: Non-transfected lysate.



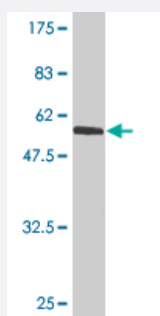
Sandwich ELISA (Recombinant protein)

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



RNAi Knockdown (Antibody validated)

Western blot analysis of USF1 over-expressed 293 cell line, cotransfected with USF1 Validated Chimera RNAi (Cat # H00007391-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with USF1 monoclonal antibody (M01), clone 3F6 (Cat # H00007391-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (59.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant USF1.
Immunogen	USF1 (AAH35505, 1 a.a. ~ 310 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKGQQKTAETEEGTVQIQEGAVATGEDPTSVAIASIQSAATFPDPNVKYVFRTEGGQVMYRVIQ VSEGQLDGQTEGTGAISGYPATQSMTQAVIQGAFTSDDAVDTEGTAAETHYTFPSTAVGDGAGG TTSGSTAADVTTQGSEALLGQATPPGTGQFFVMMSPQEVVLQGGSQRSIAPRTHPYSPKSEAPRT TRDEKRRAQHNEVERRRRDKINNWIWQLSKIIPDCSMESTKSGQSKGGILSKACDYIQELRQSNHR LSEELQGLDQLQLDNDVLRQQVEDLKNKNLLLRAQLRHHGLEVVIKNDSN
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (59.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

USF1 monoclonal antibody (M01), clone 3F6 Western Blot analysis of USF1 expression in K-562 (Cat # L009V1).

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- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

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- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of USF1 over-expressed 293 cell line, cotransfected with USF1 Validated Chimera RNAi (Cat # H00007391-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with USF1 monoclonal antibody (M01), clone 3F6 (Cat # H00007391-M01). GAPDH (36.1 kDa) used as specificity and loading control.

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Gene Info — USF1

Entrez GeneID [7391](#)

GeneBank Accession# [BC035505](#)

Protein Accession# [AAH35505](#)

Gene Name USF1

Gene Alias FCHL, FCHL1, HYPLIP1, MLTF, MLTFI, UEF, bHLHb11

Gene Description	upstream transcription factor 1
Omim ID	144250 191523 602491
Gene Ontology	Hyperlink
Gene Summary	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 pyrimidin e-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. [provided by RefSeq]
Other Designations	OTTHUMP00000029691 OTTHUMP00000029693 major late transcription factor 1 upstream stimulatory factor 1

Publication Reference

- [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; 136(6):1056.

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