

**USF1 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant USF1.

Catalog # AT4476a

**Specification**

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**USF1 Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P22415</a>
Other Accession	<a href="#">BC035505</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	33538

**USF1 Antibody (monoclonal) (M01) - 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

**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.

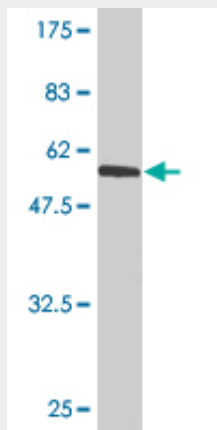
**USF1 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

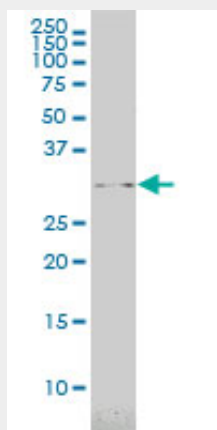
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

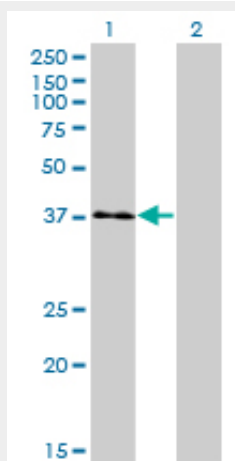
### USF1 Antibody (monoclonal) (M01) - Images



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

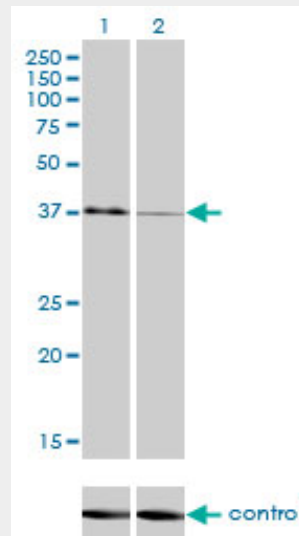


USF1 monoclonal antibody (M01), clone 3F6 Western Blot analysis of USF1 expression in K-562 ( Cat # AT4476a )

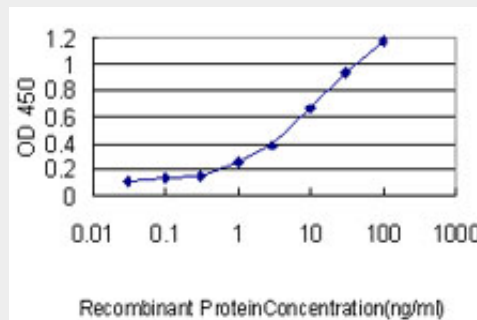


Western Blot analysis of USF1 expression in transfected 293T cell line by USF1 monoclonal antibody (M01), clone 3F6.

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



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



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

### USF1 Antibody (monoclonal) (M01) - 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.

### USF1 Antibody (monoclonal) (M01) - 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.