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USF2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant USF2.
Catalog # AT4480a

Specification

USF2 Antibody (monoclonal) (M03) - Product Information

Application	**IF, WB, E**
Primary Accession	Q15853
Other Accession	NM_003367
Reactivity	**Human, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**36955**

USF2 Antibody (monoclonal) (M03) - Additional Information

Gene ID 7392

Other Names
Upstream stimulatory factor 2, Class B basic helix-loop-helix protein 12, bHLHb12, FOS-interacting protein, FIP, Major late transcription factor 2, Upstream transcription factor 2, USF2, BHLHB12

Target/Specificity
USF2 (NP_003358, 1 a.a. ~ 100 a.a) partial 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
USF2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

USF2 Antibody (monoclonal) (M03) - Protocols

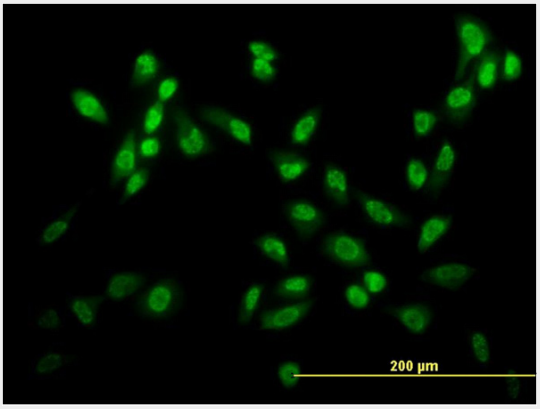
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

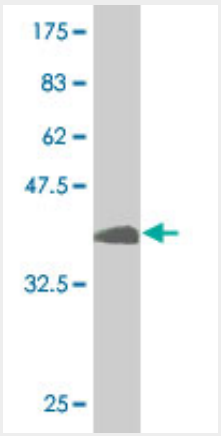
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

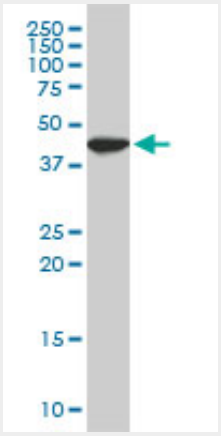
USF2 Antibody (monoclonal) (M03) - Images



Immunofluorescence of monoclonal antibody to USF2 on HeLa cell. [antibody concentration 10 ug/ml]



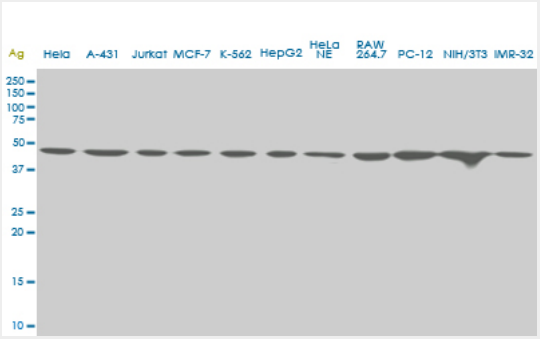
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



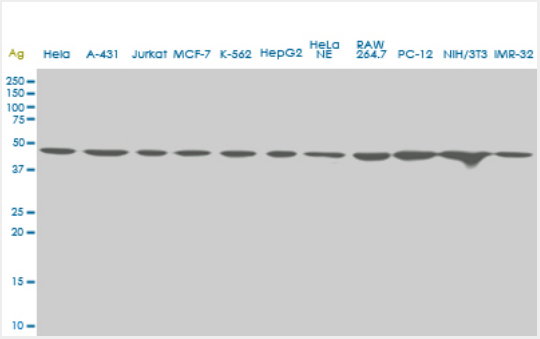
USF2 monoclonal antibody (M03), clone 6A9. Western Blot analysis of USF2 expression in PC-12 (

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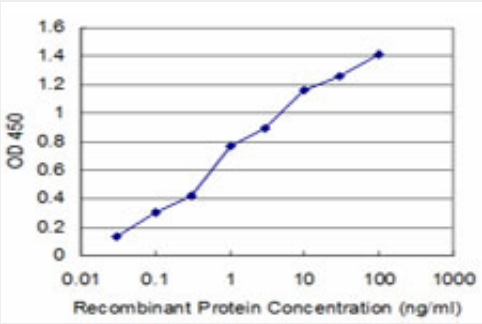
(Cat # AT4480a)



USF2 monoclonal antibody (M03), clone 6A9. Western Blot analysis of USF2 expression in Hela S3 NE ((Cat # AT4480a)



USF2 monoclonal antibody (M03), clone 6A9. Western Blot analysis of USF2 expression in different cell lines.



Detection limit for recombinant GST tagged USF2 is approximately 0.03ng/ml as a capture antibody.

USF2 Antibody (monoclonal) (M03) - 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. Two transcript variants encoding distinct isoforms have been identified for this gene.

USF2 Antibody (monoclonal) (M03) - References

Upstream stimulatory factor 2, a novel FoxA1-interacting protein, is involved in prostate-specific gene expression. Sun Q, et al. Mol Endocrinol, 2009 Dec. PMID 19846536.The variant rs1867277 in FOXE1 gene confers thyroid cancer susceptibility through the recruitment of USF1/USF2 transcription factors. Landa I, et al. PLoS Genet, 2009 Sep. PMID 19730683.HINT1 inhibits beta-catenin/TCF4, USF2 and NFkappaB activity in human hepatoma cells. Wang L, et al. Int J

Cancer, 2009 Apr 1. PMID 19089909.Upstream stimulatory factors are involved in the P1 promoter directed transcription of the A beta H-J-J locus. Finotti A, et al. BMC Mol Biol, 2008 Dec 16. PMID 19087304.Down-regulation of hsa-miR-10a in chronic myeloid leukemia CD34+ cells increases USF2-mediated cell growth. Agirre X, et al. Mol Cancer Res, 2008 Dec. PMID 19074828.