[KD Validated] USF1 Rabbit mAb

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Catalog No.: A23474 Recombinant 1 Publications

Basic Information

Observed MW

43kDa

Calculated MW

34kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC58148

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). Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been defined on chromosome 21.

Recommended Dilutions

WB 1:2000 - 1:10000

1:50 - 1:200 IF-P

IHC-P 1:500 - 1:1000

0.5μg-4μg antibody for ΙP 200µg-400µg extracts of

whole cells

Immunogen Information

Gene ID Swiss Prot 7391 P22415

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

UEF; FCHL; MLTF; FCHL1; MLTFI; HYPLIP1; bHLHb11; [KD Validated] USF1

Contact

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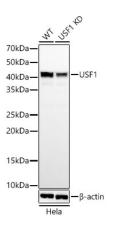
Product Information

Source Isotype **Purification** Rabbit IgG Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from wild type(WT) and USF1 knockdown (KD) Hela cells, using [KD Validated] USF1 Rabbit mAb (A23474) at 1:10000 dilution.

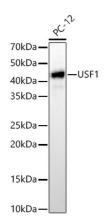
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Western blot analysis of lysates from PC-12 cells, using [KD Validated] USF1 Rabbit mAb (A23474) at 1:10000 dilution.

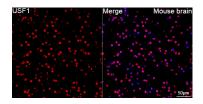
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

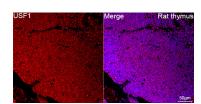
Lysates/proteins: 25µg per lane.

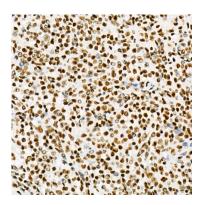
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.





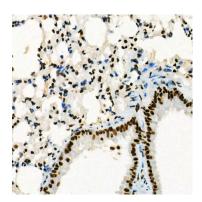


Confocal imaging of paraffin-embedded Mouse brain using [KD Validated] USF1 Rabbit mAb (A23474,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 40x.

Confocal imaging of paraffin-embedded Rat thymus using [KD Validated] USF1 Rabbit mAb (A23474,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citRate buffer (pH 6.0) prior to IF staining.

Immunohistochemistry analysis of paraffinembedded Human spleen using USF1 Rabbit mAb (A23474) at dilution of 1:900 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffinembedded Mouse lung using USF1 Rabbit mAb (A23474) at dilution of 1:900 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat kidney using USF1 Rabbit mAb (A23474) at dilution of 1:900 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.