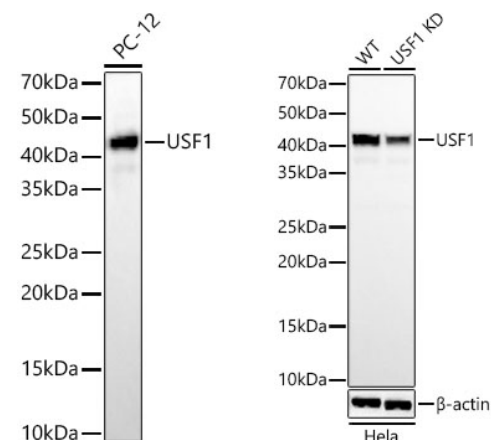
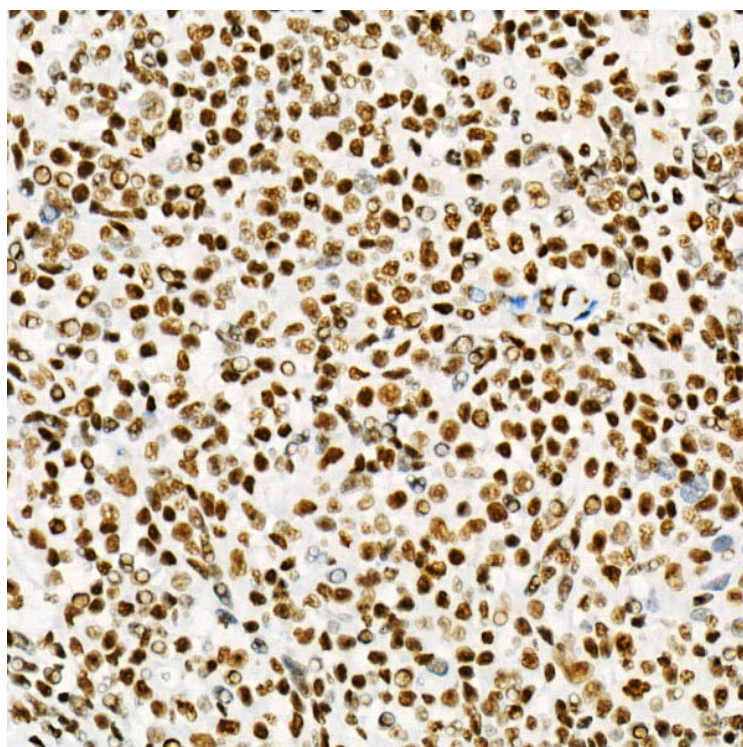


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | [KD Validated] USF1 Rabbit mAb                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cat number:</b>       | AB23474                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clone:</b>            | ARC58148                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen:</b>        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-310 of human USF1. (NP_009053.1).                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity:</b>       | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications:</b>     | WB,1:2000 - 1:10000 IHC-P,1:500 - 1:1000 IF/ICC,1:50 - 1:200 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Weight:</b> | 43kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification:</b>     | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form:</b>             | liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer:</b>           | PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage:</b>          | Store at -20°C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Background:</b>       | 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. |

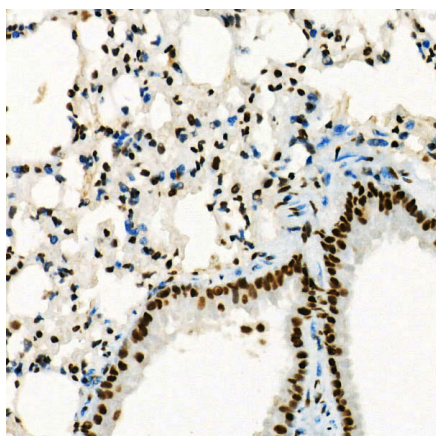


Western blot analysis of lysates from PC-12 cells, using [KD Validated] USF1 Rabbit mAb at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 60s.

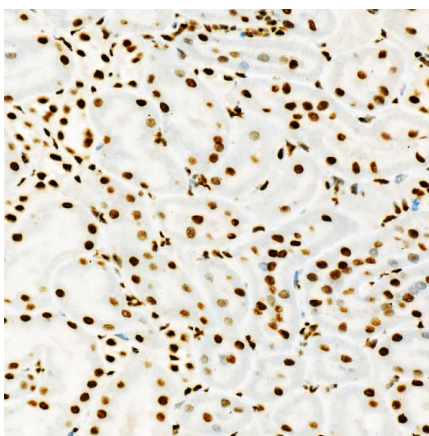
Western blot analysis of lysates from wild type and USF1 knockdown HeLa cells, using [KD Validated] USF1 Rabbit mAb at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 60s.



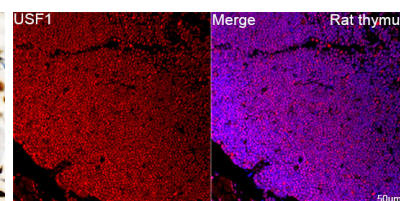
Immunohistochemistry analysis of paraffin-embedded Human spleen using USF1 Rabbit mAb at dilution of 1:900 . High pressure antigen retrieval performed with 0.01M Citrate Bufferr prior to IHC staining.



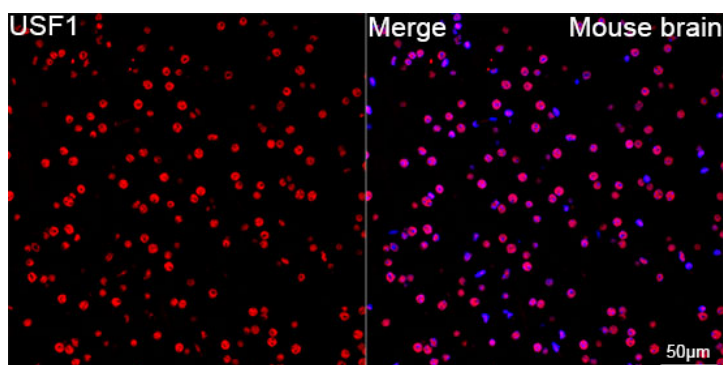
Immunohistochemistry analysis of paraffin-embedded Mouse lung using USF1 Rabbit mAb at dilution of 1:900 . High pressure antigen retrieval performed with 0.01M Citrate Buffer prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using USF1 Rabbit mAb at dilution of 1:900 . High pressure antigen retrieval performed with 0.01M Citrate Buffer prior to IHC staining.



Confocal imaging of paraffin-embedded Rat thymus using [KD Validated] USF1 Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG .DAPI was used for nuclear staining . Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer prior to IF staining.



Confocal imaging of paraffin-embedded Mouse brain using [KD Validated] USF1 Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG .DAPI was used for nuclear staining . Objective: 40x.