

## Mouse anti-Human USF2 Monoclonal Antibody | anti-USF2 antibody

Mouse monoclonal antibody Anti-Human USF2

|                              |                      |                            |                                                      |
|------------------------------|----------------------|----------------------------|------------------------------------------------------|
| CATALOG #<br><b>AAA36361</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunocytochemistry, Dot Blot</b> |
|------------------------------|----------------------|----------------------------|------------------------------------------------------|

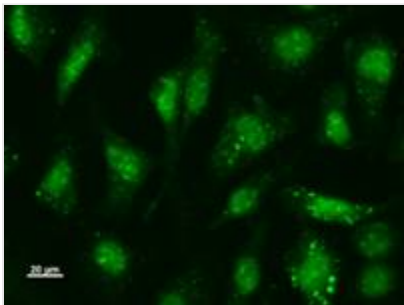
### PRODUCT SYNONYMS

USF2; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human USF2; H.sapiens USF2 gene; anti-USF2 antibody

### PRODUCT SPECIFICATIONS

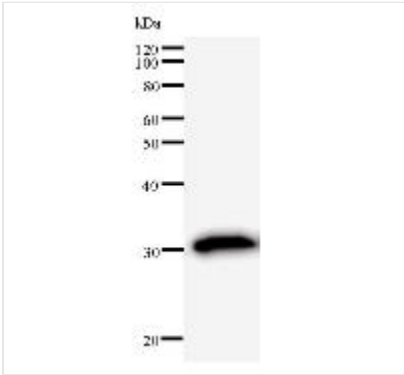
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|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clone Number                                   | USF2E12D9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Form/Format                                    | Mouse monoclonal anto-human USF2 antibody in PBS (3.0 mM KCL,1.5 mM $\text{KH}_2\text{PO}_4$ , 140 mM NaCL, 8.0 mM $\text{Na}_2\text{HPO}_4$ (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide ( $\text{NaN}_3$ )                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration                                  | 100 ug/ml (1.0 ml) (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length                                | 14440                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-USF2 antibody | ICC (Immunocytochemistry), DB (Dot Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation                                    | This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen                                      | Recombinant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sterility                                      | Filtered through a 0.22 um membrane.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Disposal                                       | This antibody solution contains sodium azide ( $\text{NaN}_3$ ) as a preservative. There is a potential hazard that $\text{NaN}_3$ reacts with copper or lead to produce an expl-osive compound. For safe disposal, the vial has to be washed thoroughly with water.                                                                                                                                                                                                                                                                                                                                                           |
| Safety warnings and precautions                | Caution must be taken to avoid contact with skin or eyes. [n such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately. Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves. It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice.All chemicals are deemed potentially harmful. The vial is prone to fall over. Use caution, especially when the lid is off. |
| Preparation and Storage                        | Store at 2-8°C for up to one year. We recommend storing at -20°C for long-term storage. Avoid repeat freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

IMAGES



**Quality Control #2**  
Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.

**ICC (Immunocytochemistry)**  
Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-USF2 mAb. [Lot No. USF2E12D9-1]



**Quality Control**  
Western blot analysis of immunized recombinant protein, using anti-USF2 monoclonal antibody.

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-USF2 antibody</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. Two transcript variants encoding distinct isoforms have been identified for this gene. [NCBI Entrez Gene Summary] |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                |                                                                        |
|--------------------------------|------------------------------------------------------------------------|
| <b>NCBI GI #</b>               | 1806093                                                                |
| <b>UniProt Accession #</b>     | Q15853; O00671; O00709; Q05750; Q07952; Q15851; Q15852; Q6FI33; Q6YI47 |
| <b>NCBI Official Full Name</b> | H.sapiens USF2 gene                                                    |
| <b>UniProt Protein Name</b>    | Upstream stimulatory factor 2                                          |
| <b>UniProt Gene Name</b>       | USF2                                                                   |
| <b>UniProt Entry Name</b>      | USF2_HUMAN                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.