

**Product Name: USF-2 Rabbit Polyclonal Antibody**  
**Catalog #: APRab19657**



## Summary

<b>Production Name</b>	USF-2 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC, WB,
<b>Reactivity</b>	Human, Mouse, Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	USF2 USF2; BHLHB12; Upstream stimulatory factor 2; Class B basic helix-loop-helix protein
<b>Alternative Names</b>	12; bHLHb12; FOS-interacting protein; FIP; Major late transcription factor 2; Upstream transcription factor 2
<b>Gene ID</b>	7392.0
<b>SwissProt ID</b>	Q15853. The antiserum was produced against synthesized peptide derived from human USF2. AA range:196-245

## Application

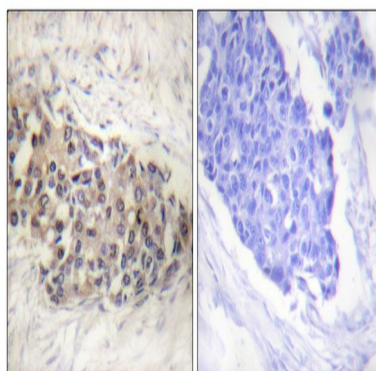
<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000..
<b>Molecular Weight</b>	40kD

## Background

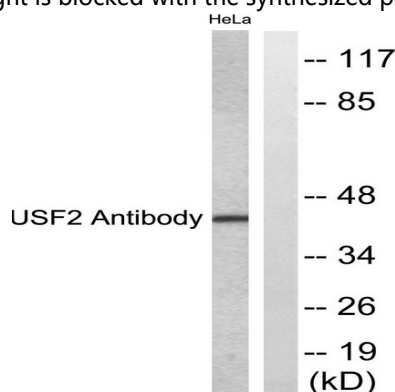
This gene encodes a member of the basic helix-loop-helix leucine zipper family of transcription factors. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E-box motifs and is involved in regulating multiple cellular processes. [provided by RefSeq, Mar 2016], alternative products: Additional isoforms seem to exist, function: Transcription factor that binds to a symmetrical DNA sequence (E-boxes) (5'-CACGTG-3') that is found in a variety of viral and cellular promoters., similarity: Contains 1 basic helix-loop-helix (bHLH) domain., subunit: Interacts with MAF (By similarity). Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as an homodimer or a heterodimer (USF1/USF2). In vivo, the USF1/USF2A heterodimer represents over 66% of the usf binding activity whereas the USF1 and USF2A homodimers represent less than 10%. The USF1/USF2B heterodimer accounted for almost 15% in some cell., tissue specificity: Ubiquitous.,

## Research Area

## Image Data

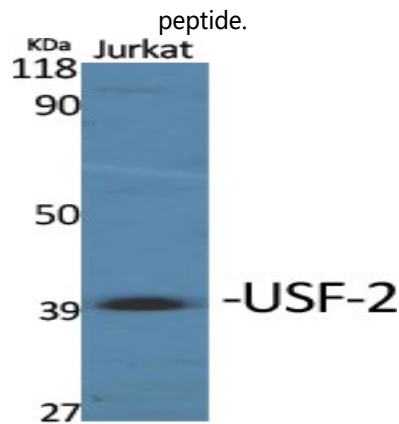


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using USF2 Antibody. The picture on the right is blocked with the synthesized peptide.

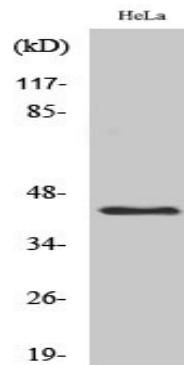


Western blot analysis of lysates from HeLa cells, using USF2 Antibody. The lane on the right is blocked with the synthesized

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Western Blot analysis of various cells using USF-2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .



Western Blot analysis of HeLa cells using USF-2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

## Note

For research use only.