

Rabbit USF2 Polyclonal Antibody | anti-USF2 antibody

USF2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320931	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

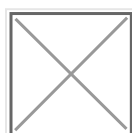
PRODUCT SYNONYMS

USF2; Polyclonal Antibody; USF2 Antibody; bHLHb12; Class B basic helix-loop-helix protein 12; FIP; FOS interacting protein; FOS-interacting protein; Major late transcription factor 2; Upstream stimulatory factor 2; Upstream transcription factor 2; USF 2; Usf2; USF2_HUMAN; anti-USF2 antibody

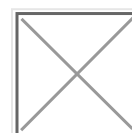
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	USF2 antibody detects endogenous levels of total USF2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	215
Applicable Applications for anti-USF2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human USF2
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (86%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (93%), Xenopus (93%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from HepG2, using USF2 Antibody.


WB (Western Blot)

Western blot analysis on HeLa and HepG2 cell lysate using USF2 Antibody. The lane on the left is treated with the antigen-specific peptide.



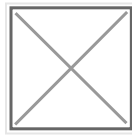
IF (Immunofluorescence)

AAA320931 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from 293 and HeLa and rat brain, using USF2 Antibody.



IHC (Immunohistochemistry)

AAA320931 at 1/100 staining human smooth muscle tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-USF2 antibody

Description: USF2 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. Interacts with MAF. Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as an homodimer or a heterodimer (USF1/USF2).
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.
Subunit Structure: Interacts with MAF (By similarity). Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as a 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1007384330
NCBI GeneID	7392
NCBI Accession #	NP_001308079.1
NCBI GenBank Nucleotide #	NM_001321150.1
UniProt Accession #	Q15853 ; O00671 ; O00709 ; Q05750 ; Q07952 ; Q15851 ; Q15852 ; Q6FI33 ; Q6YI47
Molecular Weight	Observed: 40 kDa Predicted: 37 kDa
NCBI Official Full Name	upstream stimulatory factor 2 isoform 3
NCBI Official Synonym Full Names	upstream transcription factor 2, c-fos interacting
NCBI Official Symbol	USF2
NCBI Official Synonym Symbols	FIP; bHLHb12
NCBI Protein Information	upstream stimulatory factor 2
UniProt Protein Name	Upstream stimulatory factor 2
UniProt Gene Name	USF2
UniProt Synonym Gene Names	BHLHB12; bHLHb12; FIP

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/usf2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320931>