

Anti-USF2 Antibody

Catalog # AP51602

Product Information

Application	WB, IHC
Primary Accession	Q15853
Reactivity	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36955

Additional Information

Gene ID	7392
Other Names	BHLHB12; Upstream stimulatory factor 2; Class B basic helix-loop-helix protein 12; bHLHb12; FOS-interacting protein; FIP; Major late transcription factor 2; Upstream transcription factor 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human USF2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

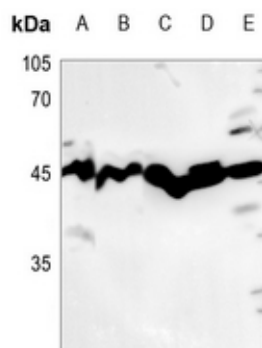
Name	USF2
Synonyms	BHLHB12
Function	Transcription factor that binds to a symmetrical DNA sequence (E-boxes) (5'-CACGTG-3') that is found in a variety of viral and cellular promoters.
Cellular Location	Nucleus.
Tissue Location	Ubiquitous.

References

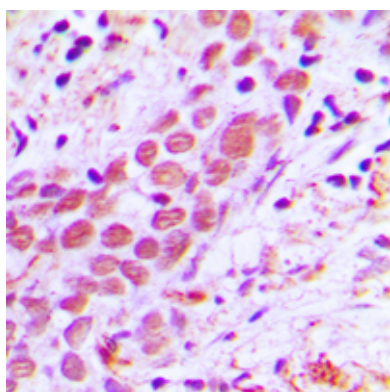
Viollet B.,et al.J. Biol. Chem. 271:1405-1415(1996).

Groenen P.M.A.,et al.Genomics 38:141-148(1996).
Yan S.,et al.Gene 337:199-206(2004).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).

Images



Western blot analysis of USF2 expression in Hela (A), U2OS (B), mouse lung (C), mouse testis (D), rat lung (E) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 44 kD)



Immunohistochemical analysis of USF2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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