

## **USF-2 Polyclonal Antibody**

Catalog No: YT4827

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: USF-2

Gene Name: USF2

**Protein Name:** Upstream stimulatory factor 2

Q15853

Q64705

Human Gene Id: 7392

**Human Swiss Prot** 

No:

Mouse Gene ld: 22282

**Mouse Swiss Prot** 

No:

Rat Gene Id: 81817

Rat Swiss Prot No: Q63665

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

USF2. AA range:196-245

**Specificity:** USF-2 Polyclonal Antibody detects endogenous levels of USF-2 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution :** WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



**Concentration**: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 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],

**Function:** 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.,

Subcellular Location:

Nucleus.

**Expression:** Ubiquitous.

**Sort**: 23998

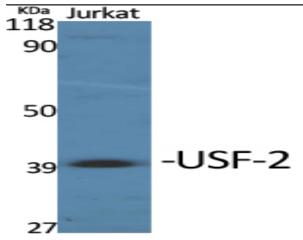
No4:

Host: Rabbit

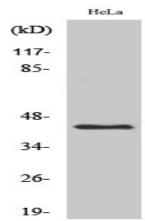
Modifications: Unmodified

## **Products Images**

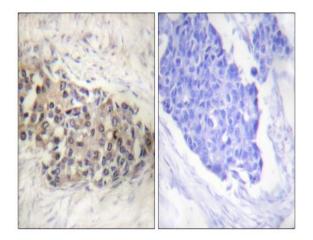
2/4



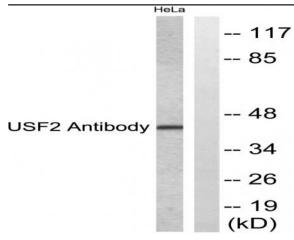
Western Blot analysis of various cells using USF-2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western Blot analysis of HeLa cells using USF-2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



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 peptide.