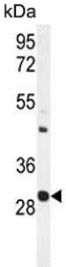
Upstream stimulatory factor 1 Antibody / USF1 / BHLHB11 (F54572)

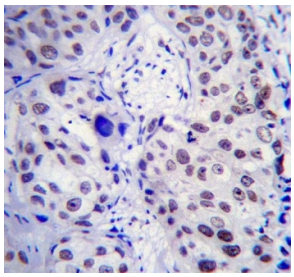
Catalog No.	Formulation	Size
F54572-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54572-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

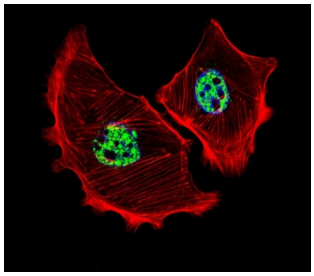
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P22415
Localization	Nuclear
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunofluorescence : 1:25 Immunohistochemistry (FFPE) : 1:25
Limitations	This Upstream stimulatory factor 1 antibody is available for research use only.



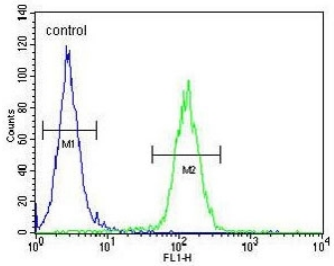
Western blot testing of mouse spleen tissue lysate with Upstream stimulatory factor 1 antibody. Predicted molecular weight ~28/34 kDa (two isoforms).



IHC testing of FFPE human breast carcinoma tissue with Upstream stimulatory factor 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human SK-BR-3 cells with Upstream stimulatory factor 1 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



Flow cytometry testing of human MCF7 cells with Upstream stimulatory factor 1 antibody; Blue=isotype control, Green= Upstream stimulatory factor 1 antibody.

Description

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. This gene has been linked to familial combined hyperlipidemia (FCHL). Two transcript variants encoding distinct isoforms have been identified for this gene.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Upstream stimulatory factor 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 174-201 from the human protein was used as the immunogen for the Upstream stimulatory factor 1 antibody.

Storage

Aliquot the Upstream stimulatory factor 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.