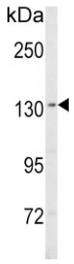
SREBF1 Antibody / Sterol regulatory element-binding protein 1 (F54996)

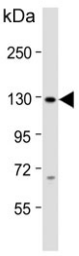
Catalog No.	Formulation	Size
F54996-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54996-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

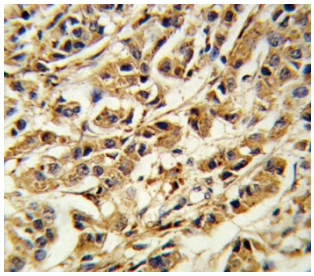
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
UniProt	P36956
Localization	Cytoplasmic, nuclear
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:10-1:50 Western Blot : 1:500-1:1000
Limitations	This SREBF1 antibody is available for research use only.



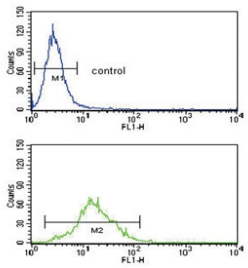
Western blot testing of human MDA-MB-435 cell lysate with SREBF1 antibody. Predicted molecular weight ~122 kDa.



Western blot testing of human Jurkat cell lysate with SREBF1 antibody. Predicted molecular weight ~122 kDa.



IHC testing of FFPE human breast carcinoma tissue with SREBF1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human Ramos cells with SREBF1 antibody; Blue=isotype control, Green= SREBF1 antibody.

Description

SREBF1 is a transcription factor that binds to the sterol regulatory element-1 (SRE1), which is a decamer flanking the low density lipoprotein receptor gene and some genes involved in sterol biosynthesis. The protein is synthesized as a precursor that is attached to the nuclear membrane and endoplasmic reticulum. Following cleavage, the mature protein translocates to the nucleus and activates transcription by binding to the SRE1. Sterols inhibit the cleavage of the precursor, and the mature nuclear form is rapidly catabolized, thereby reducing transcription. The protein is a member of the basic helix-loop-helix-leucine zipper (bHLH-Zip) transcription factor family.

Application Notes

The stated application concentrations are suggested starting points. Titration of the SREBF1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 349-378 from the human protein was used as the immunogen for the SREBF1 antibody.

Storage

Aliquot the SREBF1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.