

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-SREBF1



Numéro de catalogue: 14088-1-AP

Phare

161 Publications

Informations de base

Numéro de catalogue:

14088-1-AP

Taille:

150ul, Concentration: 750 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG5219

Numéro d'acquisition GenBank:

BC063281

Identification du gène (NCBI):

6720

Nom complet:

sterol regulatory element binding transcription factor 1

MW calculé

1177 aa, 125 kDa

MW observés:

125 kDa, 68 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

ChIP, CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, Chèvre, Humain, porc, poulet, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6.0.

Contrôles positifs:

WB: cellules HeLa, cellules L02, cellules MCF-7, tissu hépatique de rat, tissu hépatique de souris

IP: cellules L02,

IHC: tissu rénal humain, tissu de muscle squelettique humain

IF: cellules HeLa,

Informations générales

SREBF1, also named as BHLHD1 and SREBP1, contains one basic helix-loop-helix (bHLH) domain and belongs to the SREBP family. It is a transcriptional activator required for lipid homeostasis. The SREBPs are synthesized as precursors anchored to endoplasmic reticulum (ER) membranes and complexed with SCAP. When the cellular cholesterol level is low, SREBP-SCAP complexes move to the Golgi apparatus, where SREBPs undergo a two-step proteolytic processing, leading to the release of the mature form, an N-terminal fragment, i.e. basic helix-loop-helix leucine zipper transcription factor. These factors enter the nucleus where they bind to sterol regulatory elements (SRE) in the promoter regions of a number of genes whose products mediate the synthesis of cholesterol and fatty acids. [PMID: 21698267]. This antibody can recognize the 125 kDa precursor form and the 68 kDa mature form of human SREBF1.

Publications notables

Autrice	Pubmed ID	Journal	Application
Zhongwen Feng	33182043	Int Immunopharmacol	WB
Shaofan Hu	36174386	Redox Biol	WB
Mingyue Tao	34518524	Cell Death Dis	WB,IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azotate de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

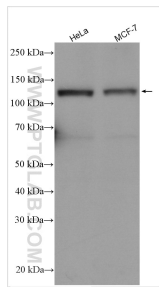
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

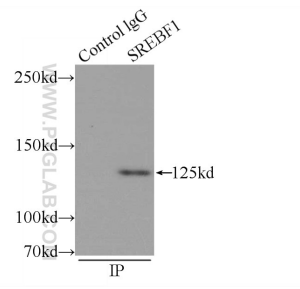
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

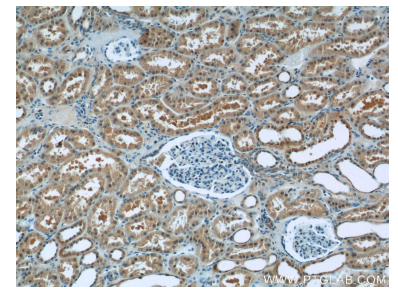
Données de validation sélectionnées



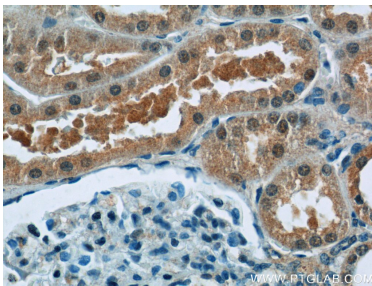
Various lysates were subjected to SDS PAGE followed by western blot with 14088-1-AP (SREBF1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



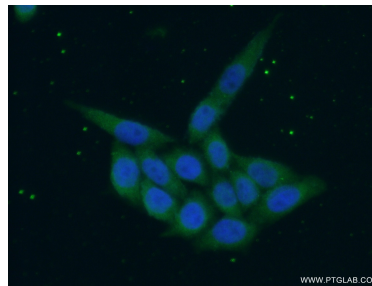
IP Result of anti-SREBF1 (IP:14088-1-AP, 4ug; Detection:14088-1-AP 1:600) with L02 cells lysate 1500ug.



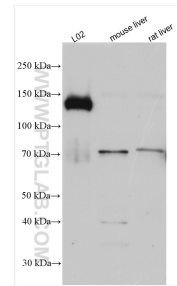
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14088-1-AP (SREBF1 Antibody) at dilution of 1:50 (under 10x lens).



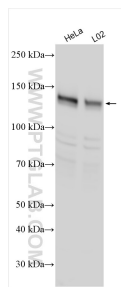
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14088-1-AP (SREBF1 Antibody) at dilution of 1:50 (under 40x lens).



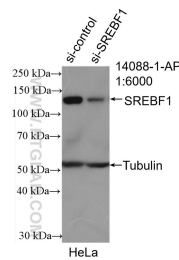
Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 14088-1-AP (SREBF1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



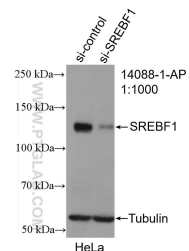
Various lysates were subjected to SDS PAGE followed by western blot with 14088-1-AP (SREBF1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 14088-1-AP (SREBF1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of SREBF1 antibody (14088-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SREBF1 transfected HeLa cells.



WB result of SREBF1 antibody (14088-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SREBF1 transfected HeLa cells.