À des fins de recherche uniquement

Anticorps Monoclonal anti-SREBF1

Numéro de catalogue:66875-1-Ig Phare 39 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
66875-1-Ig

Taille:
150ul , Concentration: 2228 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG5484

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

Méthode de purification:
Purification par protéine G

CloneNo.:
1B6G5

Dilutions recommandées:
WB 1:1000-1:4000
IHC 1:50-1:500
IF 1:200-1:800

Applications

Applications testées:
IF, IHC, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain

Espèces citées:
bovin, Humain

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 A549, cellules HeLa, cellules HT-29, cellules Jurkat, cellules L02, cellules MCF-7

IHC : tissu rénal humain,

IF : cellules HepG2,

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 125kd precursor form and the 68kd mature form of human SREBF1.

Publications notables

Autrice	Pubmed ID	Journal	Application
Chang Wang	33013689	Front Endocrinol (Lausanne)	WB
Zhen Zhen	31475773	Cell Biol Int	WB
Xiao Gu	36206922	Reprod Toxicol	WB

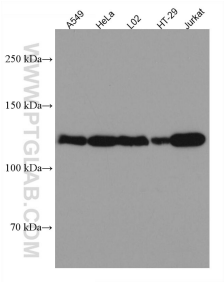
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

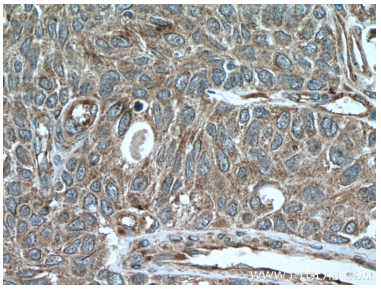
*** Les 20ul contiennent 0,1% de BSA.

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

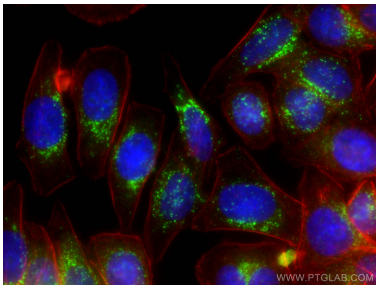
Données de validation sélectionnées



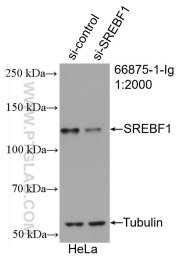
Various lysates were subjected to SDS PAGE followed by western blot with 66875-1-Ig (SREBF1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



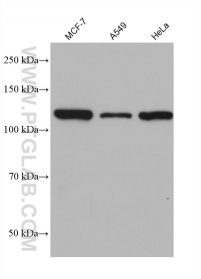
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66875-1-Ig (SREBF1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SREBF1 antibody (66875-1-Ig, Clone: 1B6G5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). CL594-Phalloidin stains the F-actin (red). DAPI (blue).



WB result of SREBF1 antibody (66875-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SREBF1 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 66875-1-Ig (SREBF1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.