USA: proteintech@ptglab.com

Europe: europe@ptglab.com

China: service@ptglab.com

SREBF1 Polyclonal Antibody

Catalog number: 14088-1-AP

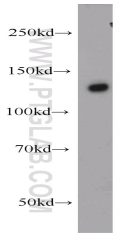
Size: 81 µg/150 µl

Source: Rabbit

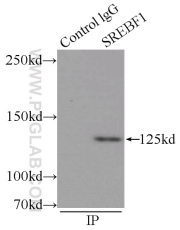
Isotype: IgG

Synonyms:

SREBF1; bHLHd1, SREBF1, SREBP 1, SREBP 1c, SREBP1



HeLa cells were subjected to SDS PAGE followed by western blot with 14088-1-AP(SREBF1 antibody) at dilution of 1:500



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

Background

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.

Applications

Tested applications:	**ELISA, WB, IP**
Cited applications:	**WB**
Species specificity:	**Human, Mouse; other species not tested.**
Cited species:	**Human, mouse**
Caculated SREBF1 MW:	**1177aa,125 kDa**
Observed SREBF1 MW:	**125kd**
Positive WB detected in	**HeLa cells, L02 cells**
Positive IP detected in	**L02 cells**
Recommended dilution:	**WB: 1:200-1:2000**
	IP: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag5219**
GenBank accession number:	**BC063281**
Gene ID (NCBI):	**6720**
Full name:	**Sterol regulatory element binding transcription factor 1**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**