

SREBP-1 (phospho-S439) polyclonal antibody

Catalog: BCP01553

Host: Rabbit

Reactivity: Human,Rat,Mouse

BackGround:

Transcription of the LDL receptor gene is controlled by a ten base pair sequence in the 5' flanking region, designated sterol regulatory element 1 (SRE-1). When cellular sterol stores are depleted, the element is activated, the gene is transcribed and the cellular uptake of LDL increases. SREBP-1 (also designated ADD1, for adipocyte determination and differentiation factor) is synthesized as a precursor that is attached to the nuclear envelope and endoplasmic reticulum. In sterol-depleted cells, the membrane-bound precursor is cleaved to generate a soluble NH₂-terminal fragment that translocates to the nucleus to activate transcription. Sterols inhibit the cleavage of SREBP-1.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 121 kDa

Swiss-Prot:

P36956

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

SREBP-1 (phospho-S439) polyclonal antibody detects endogenous levels of SREBP-1 protein only when phosphorylated at Ser439.

DATA:



Western blot (WB) analysis of SREBP-1 (phospho-S439) polyclonal antibody at 1:500 dilution

Lane1:Myla2059 whole cell lysate(40ug)

Lane2:RAW264.7 whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:HEK293T whole cell lysate(40ug)

Lane5:HepG2 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.