

## PRODUCT DATA SHEET

Bioworld Technology,Inc.

# SREBP-1 (phospho-S439) polyclonal antibody

Catalog: BS4912 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

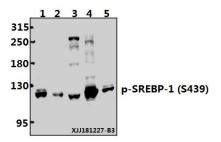
## **Storage&Stability:**

Store at  $4 \,\mathrm{C}$  short term. Aliquot and store at  $-20 \,\mathrm{C}$  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) polyclo-

nal 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.

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