Product **Datasheet**

Anti-SREBP-1 Rabbit pAb

WL02093

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-SREBP-1 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	Western blot 1:1000-1:2000 Immunohistochemistry 1:200-1:400 **Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*
Molecular Wt.	mature SREBP-1 p68 : 68 kDa SREBP-1 p125 precursor : 125kDa
Pack size	50/100/200/500/1000µl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background	Sterol regulatory element–binding proteins (SREBPs) are basic helix-loop-helix–leucine zipper transcription factors, including SREBP-1 and SREBP-2. SREBP-1 is synthesized as a precursor that is attached to the nuclear envelope and endoplasmic reticulum. Following cleavage, the mature protein translocates to the nucleus and activates transcription by binding to the SRE1. Sterols inhibit the cleavage of the precursor, and the mature nuclear form is rapidly catabolized, thereby reducing transcription.Among the isoforms of SREBPs, SREBP-1c activates all lipogenic genes in the liver. Phosphorylation of SREBP-1c at Ser372 by AMPK ihibits the proteolytic cleavage of SREBP-1c and therefore suppresses the expression of its target genes in the liver.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of SREBP-1.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

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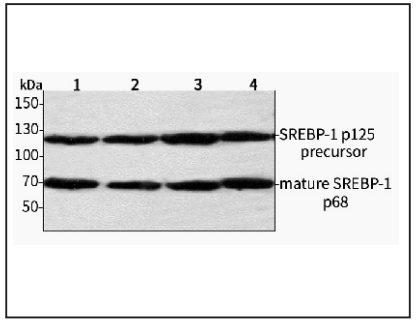
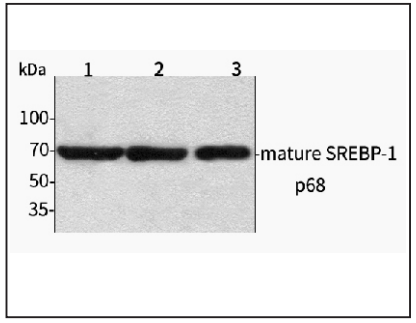
Product Images



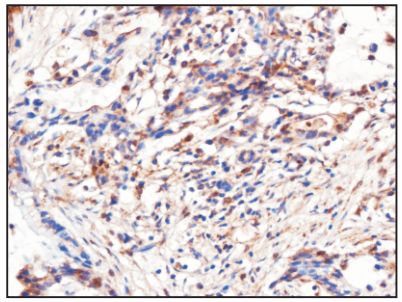
Western blot-Anti-SREBP-1 pAb

Lane 1: Human HepG2 cell lysate 30µg
Lane 2: Human Hela cell lysate 30µg
Lane 3: Human BGC-823 cell lysate 30µg
Lane 4: Human MGC-803 cell lysate 30µg
Separation gel: 8% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min



Western blot-Anti-SREBP-1 pAb

Lane 1: Mouse liver tissue lysate 30µg
Lane 2: Mouse kidney tissue lysate 30µg
Lane 3: Rat testicle tissue lysate 30µg
Separation gel: 8% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min



Immunohistochemistry-Anti-SREBP-1 pAb

Sample: Human pancreatic cancer tissue
Antigen retrieval: pH 6.0 citrate buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB

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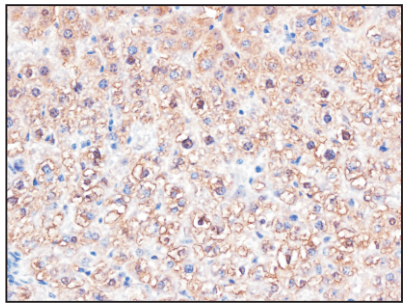

Immunohistochemistry-Anti-SREBP-1 pAb

Sample: Mouse liver-LPS treated tissue
Antigen retrieval: pH 6.0 citrate buffer
Primary antibody: 1:400, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB