

SREBP1 Blocking Peptide
Catalog # PBV10473b**Specification**

SREBP1 Blocking Peptide - Product Information

Primary Accession	P56720
Gene ID	78968
Calculated MW	120521

SREBP1 Blocking Peptide - Additional Information**Gene ID** 78968**Application & Usage**

The peptide is used for blocking the antibody activity of SREBP1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Sterol regulatory element-binding protein 1, SREBP-1, Adipocyte determination- and differentiation-dependent factor 1, ADD1, Sterol regulatory element-binding transcription factor 1, Processed sterol regulatory element-binding protein 1, Srebf1, Srebp1

Target/Specificity

SREBP1

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

SREBP1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

SREBP1 Blocking Peptide - Protein Information**Name** Srebf1 {ECO:0000312|RGD:69423}**Function**

[Sterol regulatory element-binding protein 1]: Precursor of the transcription factor form (Processed sterol regulatory element-binding protein 1), which is embedded in the endoplasmic reticulum

membrane (By similarity). Low sterol concentrations promote processing of this form, releasing the transcription factor form that translocates into the nucleus and activates transcription of genes involved in cholesterol biosynthesis and lipid homeostasis (By similarity).

Cellular Location

[Sterol regulatory element-binding protein 1]: Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P36956}; Multi-pass membrane protein. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9WTN3}; Multi-pass membrane protein. Cytoplasmic vesicle, COPII-coated vesicle membrane {ECO:0000250|UniProtKB:Q9WTN3}; Multi-pass membrane protein. Note=At high sterol concentrations, the SCAP-SREBP is retained in the endoplasmic reticulum. Low sterol concentrations promote recruitment into COPII-coated vesicles and transport of the SCAP-SREBP to the Golgi, where it is processed {ECO:0000250|UniProtKB:Q9WTN3}

Tissue Location

Expressed predominantly in brown adipose tissue.

SREBP1 Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SREBP1 Blocking Peptide - Images