

SREBF2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10673c**Specification****SREBF2 Antibody (Center) Blocking peptide -
Product Information**Primary Accession [Q12772](#)**SREBF2 Antibody (Center) Blocking peptide -
Additional Information**

Gene ID 6721

Other Names

Sterol regulatory element-binding protein 2,
SREBP-2, Class D basic helix-loop-helix
protein 2, bHLHd2, Sterol regulatory
element-binding transcription factor 2,
Processed sterol regulatory element-binding
protein 2, SREBF2, BHLHD2, SREBP2

Format

Peptides are lyophilized in a solid powder
format. Peptides can be reconstituted in
solution using the appropriate buffer as
needed.

Storage

Maintain refrigerated at 2-8°C for up to 6
months. For long term storage store at
-20°C.

Precautions

This product is for research use only. Not
for use in diagnostic or therapeutic
procedures.

**SREBF2 Antibody (Center) Blocking peptide -
Protein Information****Name SREBF2**

{ECO:0000303|PubMed:32322062,
ECO:0000312|HGNC:HGNC:11290}

Function

[Sterol regulatory element-binding protein
2]: Precursor of the transcription factor form
(Processed sterol regulatory element-
binding protein 2), which is embedded in

**SREBF2 Antibody (Center) Blocking
peptide - Background**

This gene encodes a ubiquitously expressed
transcription factor that controls cholesterol
homeostasis by stimulating transcription of
sterol-regulated genes. The encoded
protein contains a basic helix-loop-helix-leucine
zipper (bHLH-Zip) domain.

**SREBF2 Antibody (Center) Blocking
peptide - References**

Gerin, I., et al. J. Biol. Chem.
285(44):33652-33661(2010)Bailey, S.D., et al.
Diabetes Care
33(10):2250-2253(2010)Marquart, T.J., et al.
Proc. Natl. Acad. Sci. U.S.A.
107(27):12228-12232(2010)Najafi-Shoushtari,
S.H., et al. Science
328(5985):1566-1569(2010)Pramfalk, C., et al.
J. Lipid Res. 51(6):1354-1362(2010)

the endoplasmic reticulum membrane (PubMed:32322062). 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 (PubMed:32322062).

Cellular Location

[Sterol regulatory element-binding protein 2]: Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle, COPII-coated vesicle membrane; Multi-pass membrane protein. Note=At high sterol concentrations, the SCAP-SREBP is retained in the endoplasmic reticulum (PubMed:32322062). Low sterol concentrations promote recruitment into COPII-coated vesicles and transport of the SCAP-SREBP to the Golgi, where it is processed (PubMed:32322062).

Tissue Location

Ubiquitously expressed in adult and fetal tissues.

SREBF2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)