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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 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

SREBF2 Antibody (Center) Blocking peptide - Images

SREBF2 Antibody (Center) Blocking peptide - Background

This gene encodes a ubiquitously expressed transcriptionfactor that controls cholesterol homeostasis by stimulatingtranscription of sterol-regulated genes. The encoded proteincontains 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)