

Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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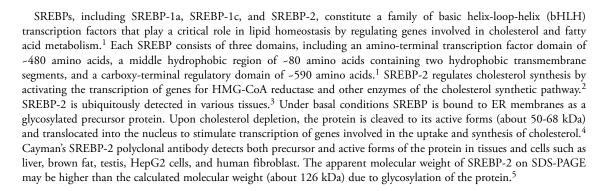
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Product Information

SREBP-2 Blocking Peptide

Item No. 10009266



Laboratory Procedures

This vial contains 200 µg peptide in 200 µl TBS, pH 7.4, containing 0.1% BSA and 0.02% sodium azide. The SREBP-2 blocking peptide (human SREBP-2 amino acids 455-469) can be used in conjunction with Cayman's SREBP-2 Polyclonal Antibody (Item No. 10007663) to block protein-antibody complex formation during immunochemical analysis of SREBP-2.

Store this peptide solution at -20°C. It will be stable for at least two years. To block antibody/protein complex formation, the following procedure is recommended:

- 1. Mix the SREBP-2 Polyclonal Antibody (Item No. 10007663) and blocking peptide together in a 1:1 (v/v) ratio in a microfuge tube. For example, mix 20 µl of antibody and 20 µl of peptide.*
- 2. Incubate for one hour at room temperature with occasional mixing prior to further dilution and application of the mixture to the immunoblot or slide.
- 3. Dilute the mixture to the final working antibody concentration and apply to the slide or membrane as usual.

*This is a recommended mixture. The minimum amount of peptide needed for complete blocking has not been precisely determined and may vary depending on the sample being analyzed. The amount of peptide required may need to be increased if sufficient blocking does not occur.

References

- 1. Brown, M.S. and Goldstein, J.L. The SREBP pathway: Regulation of cholesterol metabolism by proteolysis of a membrane-bound transcription factor. Cell 89, 331-340 (1997).
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- Iizuka, K., Bruick, R.K., Liang, G., et al. Deficiency of carbohydrate response element-binding protein (ChREBP) reduces lipogenesis as well as glycolysis. Proc. Natl. Acad. Sci. USA 101(19), 7281-7286 (2004).
- Smith, L.H., Petrie, M.S., Morrow, J.D., et al. The sterol response element binding protein regulates cyclooxygenase-2 gene expression in endothelial cells. J. Lipid Res. 46, 862-871 (2005).
- Hua, X., Sakai, J., Ho, Y.K., et al. Hairpin orientation of sterol regulatory element-binding protein-2 in cell membranes as determined by protease protection. J. Biol. Chem. 270(49), 29422-29427 (1995).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/10009266

WARNING: This product is for laboratory research only: not for administration to humans. Not for human or veterinary DIAGNOSTIC OR THERAPEUTIC USE.

MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

- Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular pose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications
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Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

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