

Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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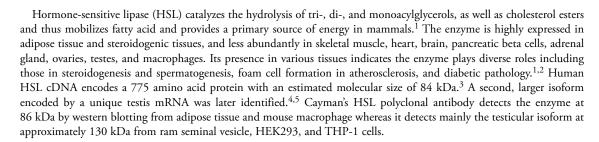
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Product Information

Hormone-Sensitive Lipase Blocking Peptide

Item No. 10006372



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 HSL blocking peptide (human HSL amino acids 731-741) can be used in conjunction with Cayman's HSL Polyclonal Antibody (Item No. 10006371) to block protein-antibody complex formation during immunochemical analysis of HSL.

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 HSL Polyclonal Antibody (Item No. 10006371) 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.
- 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. Saltiel, A.R. Another hormone-sensitive triglyceride lipase in fat cells. Proc. Natl. Acad. Sci. USA 97(2), 535-537
- Kraemer, F.B. and Shen, W.-J. Hormone-sensitive lipase: Control of intracellular tri-(di-)acylglycerol and cholesteryl ester hydrolysis. J. Lipid Res. 43, 1585-1594 (2002).
- Langin, D., Laurell, H., Holst, L., et al. Gene organization and primary structure of human hormone-sensitive lipase: Possible significance of a sequence homology with a lipase of Moraxella TA144, an antarctic bacterium. Proc. Natl. Acad. Sci. USA 90, 4897-4901 (2005).
- Holst, L.S., Langin, D., Mulder, H., et al. Molecular cloning, genomic organization, and expression of a testicular isoform of hormone-sensitive lipase. Genomics 35, 441-447 (1996).
- Mairal, A., Melaine, N., Laurell, H., et al. Characterization of a novel testicular form of human hormone-sensitive lipase. Biochem. Biophys. Res. Commun. 291, 286-290 (2002).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/10006372

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

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 Safety Data Sheet, which has been sent via email to your institution.

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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 purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman **warrants only** to the original customer that the material will <u>meet our specifications</u>

at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, incidental or consequential damages, even if Cayman is informed about their possible existence.

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