abcam

Product datasheet

Obestatin, endogenous peptide involved in feeding ab120071

画像数 2

製品の概要

製品名 Obestatin, endogenous peptide involved in feeding

製品の詳細 Endogenous peptide involved in feeding

生理活性の詳細 Obestatin, a peptide encoded by the ghrelin gene that suppresses food intake. Binds to the

orphan G-protein-coupled receptor GPR39.

CAS 番号 869705-22-6

構造式 Phe-Asn-Ala-Pro-Phe-Asp-Val-Gly-IIe-Lys-Leu-Ser-

 ${\it Gly-Ala-Gln-Tyr-Gln-Gln-His-Gly-Arg-Ala-Leu-NH}_2$

製品の特性

分子量 2516.80

分子式 C₁₁₄H₁₇₄N₃₄O₃₁

配列 FNAPFDVGIKLSGAQYQQHGRAL (Modifications: C-terminal amide)

PubChem 登録番号 16186202

保存方法 Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12

months.

溶解性 Soluble in water

使用に関する注意 Wherever possible, you should prepare and use solutions on the same day. However, if you need

to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and

prior to opening the vial we recommend that you allow your product to equilibrate to room

temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked

questions (FAQ) page for more details.

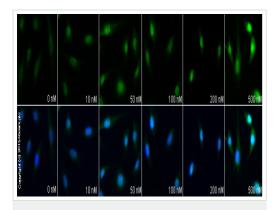
由来 Synthetic

画像



Chemical Structure - Obestatin, endogenous peptide involved in feeding (ab120071)

2D chemical structure image of ab120071, Obestatin, endogenous peptide involved in feeding



Functional Studies - Obestatin, endogenous peptide involved in feeding (ab120071)

ab7963 staining c-Fos in NIH 3T3 cells treated with obestatin (ab120071), by ICC/IF. Increase in c-Fos expression correlates with increased concentration of obestatin, as described in literature. The cells were incubated at 37°C for 3h in media containing different concentrations of ab120071 (obestatin) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab7963** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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