

Product datasheet

Orexin A (bovine, human, mouse, rat), Neuropeptide involved in feeding and sleep ab120212

3 References [画像数 2](#)

製品の概要

製品名	Orexin A (bovine, human, mouse, rat), Neuropeptide involved in feeding and sleep
製品の詳細	Neuropeptide involved in feeding and sleep
生理活性の詳細	Hypothalamic neuropeptide involved in the regulation of feeding, sleep and wakefulness.
CAS 番号	205640-90-0
構造式	Glp-Pro-Leu-Pro-Asp-Cys-Cys-Arg-Gln-Lys-Thr-Cys-Ser-Cys-Arg-Leu-Tyr-Glu-Leu-Leu-His-Gly-Ala-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Leu-NH ₂ (Disulfide bridges: 6-12 and 7-14)

製品の特性

分子量	3561.12
分子式	C ₁₅₂ H ₂₄₃ N ₄₇ O ₄₄ S ₄
配列	XPLPDCCRQKTCSCRLYELLHGAGNHAAGILTL (Modifications: C-terminal amide; X-1 = Glp; Disulfide bonds: 6-12, 7-14)
PubChem 登録番号	56842143
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 to 1mg/ml
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

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab120212の使用に適用されず

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

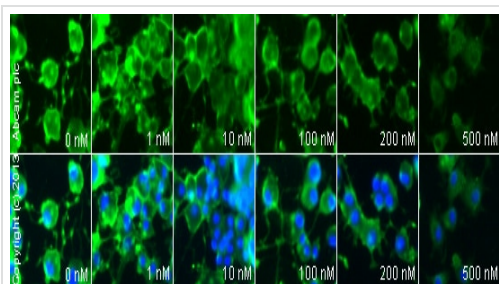
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像

Glp-Pro-Leu-Pro-Asp-Cys-Cys-Arg-Gln-Lys-Thr-
Cys-Ser-Cys-Arg-Leu-Tyr-Glu-Leu-Leu-His-Gly-
Ala-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Leu-NH₂
(Disulfide bridges: 6-12 and 7-14)

Chemical Structure - Orexin A (bovine, human, mouse, rat), Neuropeptide involved in feeding and sleep (ab120212)

2D chemical structure image of ab120212, Orexin A (bovine, human, mouse, rat), Neuropeptide involved in feeding and sleep



Immunocytochemistry/ Immunofluorescence - Orexin A (bovine, human, mouse, rat), Neuropeptide involved in feeding and sleep (ab120212)

ab6211 staining tyrosine hydroxylase in PC-12 cells treated with orexin A (ab120212), by ICC/IF. Decrease in expression of tyrosine hydroxylase correlates with increased concentration of orexin A, as described in literature.

The cells were incubated at 37°C for 1h in media containing different concentrations of ab120212 (orexin A) 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 **ab6211** (1/1000 dilution) 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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