



OREXIN-A CONTROL PEPTIDE (MOUSE)

CATALOG NUMBER: AG774

LOT NUMBER:

QUANTITY: 100 µg

CONCENTRATION: 1 mg/mL

DESCRIPTION: Orexin-A control peptide.

Several peptides associated with feeding behavior have been reported recently. Orexins (Orexin-A and Orexin-B) are a family of hypothalamic neuropeptides selectively expressed in the hypothalamus (1). Orexin-A and Orexin-B are derived from the same precursor (Prepro-orexin) by proteolytic cleavage. Prepro-orexin is an 130 aa peptide with a putative 33 aa secretory sequence, a hydrophobic core followed by residues with small polar side chains. The expression was detected in brain and to a small extent in testis (1). These neuropeptides bind and activate two closely related Orexin receptors--G protein coupled receptors (GPCRs) OX1R and OX2R.

APPLICATIONS: Blocking peptide for AB3098.
Optimal working concentration must be determined by the end user.

SOURCE: 18 amino acid peptide from the amino terminus of mouse Orexin-A.

PRESENTATION: Liquid in PBS, pH 7.5

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots for up to 6 months. Avoid repeated freeze/thaw cycles.

REFERENCES:

1. Sakurai, T et al. (1998) *Cell*. **92**:573-585.
2. DeLecca, L et al. (1998) *PNAS*. **95**:322-327.

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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