

AANAT peptide ab5004

描述

产品名称	AANAT多肽
纯度	> 95 % HPLC. Peptides are analyzed by Reverse-Phase HPLC (RP-HPLC) in order to determine purity. Identities are confirmed by MALDI-MS.
无动物成分	No
性质	Synthetic

技术指标

Our **Abpromise guarantee** covers the use of **ab5004** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Blocking
形式	Lyophilized
补充说明	

This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and AA-NAT, catalog **ab3506**. Using a solution of peptide of equal volume and concentration to the corresponding antibody will yield a large molar excess of peptide (~ 70-fold) for competitive inhibition of antibody-protein binding reactions.

This product was previously labelled as Serotonin N-acetyltransferase

制备和贮存

稳定性和存储	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
复溶	>95% pure, lyophilized synthetic peptide. Reconstitute with 0.1 ml of distilled water.

常规信息

功能	Controls the night/day rhythm of melatonin production in the pineal gland. Catalyzes the N-acetylation of serotonin into N-acetylserotonin, the penultimate step in the synthesis of melatonin.
组织特异性	Highly expressed in pineal gland and at lower levels in the retina. Weak expression in several brain regions and in the pituitary gland.

通路	Aromatic compound metabolism; melatonin biosynthesis; melatonin from serotonin: step 1/2.
疾病相关	Delayed sleep phase syndrome
序列相似性	Belongs to the acetyltransferase family. AANAT subfamily. Contains 1 N-acetyltransferase domain.
翻译后修饰	cAMP-dependent phosphorylation on both N-terminal Thr-31 and C-terminal Ser-205 regulates AANAT activity by promoting interaction with 14-3-3 proteins.
细胞定位	Cytoplasm.

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

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