

Product datasheet

Nicotinic Acetylcholine Receptor alpha 4 peptide ab123011

Overview

Product name Nicotinic Acetylcholine Receptor alpha 4 peptide

Description

Nature Synthetic

Amino Acid Sequence

Sequence C-HVETRAHAEERLLKK

Specifications

Our [Abpromise guarantee](#) covers the use of **ab123011** in the following tested applications.

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

Applications Blocking - Blocking peptide for Anti-Nicotinic Acetylcholine Receptor alpha 4 antibody ([ab77356](#))

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

Reconstitution Resuspend in water or in neutral buffer

General Info

Function After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.

Involvement in disease Defects in CHRNA4 are the cause of nocturnal frontal lobe epilepsy type 1 (ENFL1) [MIM:600513]; also symbolized ADNFLE. ENFL1 is an autosomal dominant epilepsy characterized by nocturnal seizures with hyperkinetic automatisms and poorly organized stereotyped movements.

Sequence similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Alpha-4/CHRNA4 sub-subfamily.
Cellular localization	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

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