

Product datasheet

PICK1 peptide ab4964

Overview

Product name PICK1 peptide

Description

Nature Synthetic

Specifications

Our [Abpromise guarantee](#) covers the use of **ab4964** in the following tested applications.

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

Applications Blocking

Form Liquid

Additional notes

This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and mouse PICK 1, catalog [ab3420](#). 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.

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

General Info

Function Probable adapter protein that bind to and organize the subcellular localization of a variety of membrane proteins containing some PDZ recognition sequence. Involved in the clustering of various receptors, possibly by acting at the receptor internalization level. Plays a role in synaptic plasticity by regulating the trafficking and internalization of AMPA receptors. May be regulated upon PRKCA activation. May regulate heteromeric ACCN3/ACCN2 channel.

Tissue specificity Ubiquitous.

Sequence similarities Contains 1 AH domain.
Contains 1 PDZ (DHR) domain.

Post-translational modifications

Phosphorylation at Thr-82 appears to inhibit the interaction with AMPA receptors.

Cellular localization

Cytoplasm > perinuclear region. Cell junction > synapse. Also present at excitatory synapses.

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