

## Product datasheet

# PICK1 peptide ab4964

### Overview

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**Product name** PICK1 peptide

### Description

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**Nature** Synthetic

### Specifications

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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

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**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

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**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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