abcam

Product datasheet

SEC23 peptide ab4960

Overview

Product name SEC23 peptide

Description

Nature Synthetic

Amino Acid Sequence

Sequence An 18 amino acid synthetic peptide whose sequences are derived from rat COP II protein. The sequence of this peptide is (amino to carboxy terminus): M(1)TTYLEFIQQNEERDGVR(18) - C.

Specifications

Our Abpromise guarantee covers the use of **ab4960** 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 rat COP II, catalog ab3351. 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 Component of the COPII coat, that covers ER-derived vesicles involved in transport from the endoplasmic reticulum to the Golgi apparatus. COPII acts in the cytoplasm to promote the transport of secretory, plasma membrane, and vacuolar proteins from the endoplasmic reticulum

	to the Golgi complex.
Involvement in disease	Defects in SEC23A are the cause of craniolenticulosutural dysplasia (CLSD) [MIM:607812]; also known as cranio-lenticulo-sutural dysplasia. CLSD is an autosomal recessive syndrome characterized by late-closing fontanels, sutural cataracts, facial dysmorphisms and skeletal defects.
Sequence similarities	Belongs to the SEC23/SEC24 family. SEC23 subfamily.
Cellular localization	Smooth endoplasmic reticulum membrane. Golgi apparatus membrane. In the ribosome-free transitional face of the ER and associated vesicles.

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