

SH3PXD2B Blocking Peptide (C-Term)

Synthetic peptide

Catalog # BP22070b

Specification

SH3PXD2B Blocking Peptide (C-Term) - Product Information

Primary Accession [A1X283](#)

SH3PXD2B Blocking Peptide (C-Term) - Additional Information

Gene ID 285590

Other Names

SH3 and PX domain-containing protein 2B, Adapter protein HOFI, Factor for adipocyte differentiation 49, Tyrosine kinase substrate with four SH3 domains, SH3PXD2B, FAD49, KIAA1295, TKS4

Target/Specificity

The synthetic peptide sequence is selected from aa 616-628 of HUMAN SH3PXD2B

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SH3PXD2B Blocking Peptide (C-Term) - Protein Information

Name SH3PXD2B

Synonyms FAD49, KIAA1295, TKS4

Function

Adapter protein involved in invadopodia

SH3PXD2B Blocking Peptide (C-Term) - Background

Adapter protein involved in invadopodia and podosome formation and extracellular matrix degradation. Binds matrix metalloproteinases (ADAMs), NADPH oxidases (NOXs) and phosphoinositides. Acts as an organizer protein that allows NOX1- or NOX3-dependent reactive oxygen species (ROS) generation and ROS localization. Plays a role in mitotic clonal expansion during the immediate early stage of adipocyte differentiation (By similarity).

SH3PXD2B Blocking Peptide (C-Term) - References

Hishida T., et al. FEBS J. 275:5576-5588(2008).
Lanyi A., et al. Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
Schmutz J., et al. Nature 431:268-274(2004).
Nagase T., et al. DNA Res. 7:65-73(2000).
Abram C.L., et al. J. Biol. Chem. 278:16844-16851(2003).

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Cellular Location

Cytoplasm. Cell projection, podosome.
Note=Cytoplasmic in normal cells and localizes to podosomes in SRC-transformed cells.

Tissue Location

Expressed in fibroblasts.

SH3PXD2B Blocking Peptide (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)