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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 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).

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

SH3PXD2B Blocking Peptide (C-Term) - Images

SH3PXD2B Blocking Peptide (C-Term) - Background

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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).