

Product datasheet

Human Integrin linked ILK peptide ab23275

Overview

Product name Human Integrin linked ILK peptide

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Sequence C-DMVPILEKMQDK

Amino acids 440 to 452

Specifications

Our [Abpromise guarantee](#) covers the use of **ab23275** in the following tested applications.

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

Applications Blocking - Blocking peptide for Anti-Integrin linked ILK antibody ([ab15838](#))

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

General Info

Function Receptor-proximal protein kinase regulating integrin-mediated signal transduction. May act as a mediator of inside-out integrin signaling. Focal adhesion protein part of the complex ILK-PINCH. This complex is considered to be one of the convergence points of integrin- and growth factor-signaling pathway. Could be implicated in mediating cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells. Phosphorylates beta-1 and beta-3 integrin subunit on serine and threonine residues, but also AKT1 and GSK3B.

Tissue specificity Highly expressed in heart followed by skeletal muscle, pancreas and kidney. Weakly expressed in placenta, lung and liver.

Sequence similarities Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.

	Contains 5 ANK repeats.
	Contains 1 protein kinase domain.
Domain	A PH-like domain is involved in phosphatidylinositol phosphate binding.
Post-translational modifications	Autophosphorylated on serine residues.
Cellular localization	Cell junction > focal adhesion. Cell membrane.

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