

ILK1 Blocking Peptide
Catalog # PBV10180b**Specification**

ILK1 Blocking Peptide - Product Information

Primary Accession	O55222
Other Accession	NP_034692
Gene ID	16202
Calculated MW	51373

ILK1 Blocking Peptide - Additional Information**Gene ID** 16202**Application & Usage**

The peptide is used for blocking the antibody activity of ILK1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Integrin-linked protein kinase, 2.7.11.1, Ilk

Target/Specificity

ILK1

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

ILK1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

ILK1 Blocking Peptide - Protein Information**Name** Ilk {ECO:0000312|MGI:MGI:1195267}**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. Regulates cell motility by forming a complex with PARVB. Phosphorylates beta-1 and beta-3 integrin subunit on serine and threonine residues, but also AKT1 and GSK3B.

Cellular Location

Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side {ECO:0000250|UniProtKB:Q13418}. Cytoplasm, myofibril, sarcomere {ECO:0000250|UniProtKB:Q13418}. Cell projection, lamellipodium

Tissue Location

Highly expressed in lung, heart, kidney, liver, brain, spleen and skeletal muscle. Weakly expressed in testis

ILK1 Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ILK1 Blocking Peptide - Images