

**ILK2/ILK1 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7077b**

**Specification**

**ILK2/ILK1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q13418</a>
Other Accession	<a href="#">Q99J82</a> , <a href="#">O55222</a> , <a href="#">Q3SWY2</a> , <a href="#">P57043</a>
Reactivity	Human, Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	51419
Antigen Region	391-421

**ILK2/ILK1 Antibody (C-term) - Additional Information**

**Gene ID** 3611

**Other Names**

Integrin-linked protein kinase, 59 kDa serine/threonine-protein kinase, ILK-1, ILK-2, p59ILK, ILK, ILK1, ILK2

**Target/Specificity**

This ILK2/ILK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-421 amino acids from the C-terminal region of human ILK2/ILK1.

**Dilution**

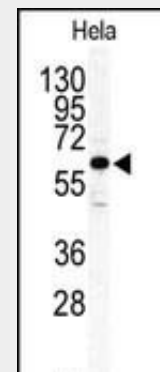
WB~~1:1000

**Format**

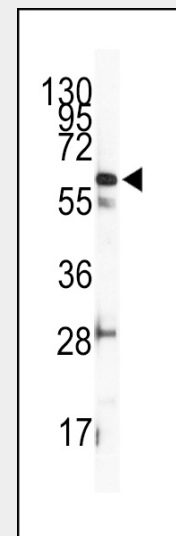
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of anti-ILK2/ILK1 Antibody (C-term)(Cat.#AP7077b) in HeLa cell line lysates (35ug/lane). ILK2(arrow) was detected using the purified Pab.



Western blot analysis of anti-ILK2/ILK1 Antibody (C-term) (Cat.#AP7077b) in mouse heart tissue lysates (35ug/lane). ILK2(arrow) was detected using the purified Pab.

**ILK2/ILK1 Antibody (C-term) - Background**

Transduction of extracellular matrix signals through integrins influences intracellular and extracellular functions, and appears to require interaction of integrin cytoplasmic domains

### Precautions

ILK2/ILK1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### ILK2/ILK1 Antibody (C-term) - Protein Information

**Name** ILK ([HGNC:6040](#))

### Function

Receptor-proximal protein kinase regulating integrin-mediated signal transduction (PubMed:<http://www.uniprot.org/citations/8538749>

[target="\\_blank">8538749</a>, PubMed:<http://www.uniprot.org/citations/9736715>  
\[target="\\\_blank">9736715</a>\\). May act as a mediator of inside-out integrin signaling \\(PubMed:<http://www.uniprot.org/citations/10712922>\]\(#\)](#)

[target="\\_blank">10712922</a>\). Focal adhesion protein part of the complex ILK-PINCH \(PubMed:<http://www.uniprot.org/citations/10712922>](#)

[target="\\_blank">10712922</a>\). This complex is considered to be one of the convergence points of integrin- and growth factor-signaling pathway \(PubMed:<http://www.uniprot.org/citations/10712922>  
" \[target="\\\_blank">10712922</a>\\). Could be implicated in mediating cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells \\(PubMed:<http://www.uniprot.org/citations/10712922>\]\(#\)](#)

[target="\\_blank">10712922</a>\). Regulates cell motility by forming a complex with PARVB \(PubMed:<http://www.uniprot.org/citations/32528174>  
\[target="\\\_blank">32528174</a>\\).\]\(#\)](#)

Phosphorylates beta-1 and beta-3 integrin subunit on serine and threonine residues, but also AKT1 and GSK3B (PubMed:<http://www.uniprot.org/citations/8538749>  
" [target="\\_blank">8538749</a>,](#)

PubMed:<http://www.uniprot.org/citations/9736715>  
[target="\\_blank">9736715</a>\).](#)

### Cellular Location

Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium  
{ECO:0000250|UniProtKB:O55222}.

with cellular proteins. Integrin-linked kinase (ILK) is an ankyrin repeat containing 51 kDa receptor-proximate serine-threonine kinase (1), with a reported migration rate of 59K. This 451 amino acid protein interacts with the cytoplasmic domain of the beta-1 integrin subunit and contains sequence motifs found in pleckstrin homology domains capable of interacting with phosphoinositide lipids. ILK is an upstream regulator of Pi(3)K dependant activation of protein kinase B (PKB/AKT) and inhibition of glycogen synthase kinase 3 (GSK-3). ILK2 expression is associated with mediation of cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells. ILK2 is overexpressed in some highly invasive tumor cell lines.

Cytoplasm, myofibril, sarcomere

**Tissue Location**

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

**ILK2/ILK1 Antibody (C-term) - 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](#)