



Rabbit Anti-Integrin linked ILK antibody

SL16616R

Product Name:	Integrin linked ILK
Chinese Name:	整合素连接激酶ILK抗体
Alias:	59 kDa serine/threonine protein kinase; 59 kDa serine/threonine-protein kinase; DKFZp686F1765; ILK 1; ILK 2; ILK; ILK-1; ILK-2; ILK_HUMAN; ILK1; ILK2; Integrin linked kinase 2; Integrin linked Kinase; Integrin linked protein kinase; Integrin-linked protein kinase; p59; p59; p59ILK.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Integrin linked ILK:301-400/452
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a protein with a kinase-like domain and four ankyrin-like repeats. The encoded protein associates at the cell membrane with the cytoplasmic domain of beta integrins, where it regulates integrin-mediated signal transduction. Activity of this

protein is important in the epithelial to mesenchymal transition, and over-expression of this gene is implicated in tumor growth and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]

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.

Subcellular Location:

Cell junction > focal adhesion. Cell membrane.

Tissue Specificity:

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

Post-translational modifications:

Autophosphorylated on serine residues.

Similarity:

Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.
Contains 5 ANK repeats.
Contains 1 protein kinase domain.

SWISS:

Q13418

Gene ID:

3611

Database links:

[Entrez Gene: 3611](#) Human

[Entrez Gene: 16202](#) Mouse

[Entrez Gene: 170922](#) Rat

[Omim: 602366](#) Human

[SwissProt: Q13418](#) Human

[SwissProt: O55222](#) Mouse

[SwissProt: Q99J82](#) Rat

[Unigene: 5158](#) Human

[Unigene: 706355](#) Human

[Unigene: 274846](#) Mouse

[Unigene: 95042](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com