

Product Datasheet

ILK Antibody

Catalog No: CY5713

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC IP FC



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Information

UniProt ID: Q13418

All Names: ILK; DKFZp686F1765; P59; ILK1; Integrin linked protein kinas;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 51 kDa

Application

WB: 1:1000~1:5000

IHC: 1:50~1:200

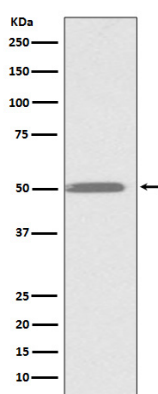
ICC: 1:50~1:200

IP: 1:50

FC: 1:50

Background

Integrin-linked kinases (ILKs) couple integrins and growth factors to downstream pathways involved in cell survival, cell cycle control, cell-cell adhesion and cell motility (1). ILK functions as a scaffold bridging the extracellular matrix (ECM) and growth factor receptors to the actin cytoskeleton through interactions with integrin, PINCH (which links ILK to the RTKs via Nck2), CH-ILKBP and affixin (1). ILK phosphorylates Akt at Ser473, GSK-3 on Ser9, myosin light chain 2 (MLC2) on Ser18/Thr19, as well as affixin (2-5). These phosphorylation events are key regulatory steps in modulating the activities of the targets. ILK activity is stimulated by PI3 kinase and negatively regulated by the tumor suppressor PTEN and a PP2C protein phosphatase, ILKAP (1,3,6). It has been suggested that the conserved Ser343 residue in the activation loop plays a key role in the activation of ILK1 (2).



Western blot analysis of ILK expression in K562 cell lysate.

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