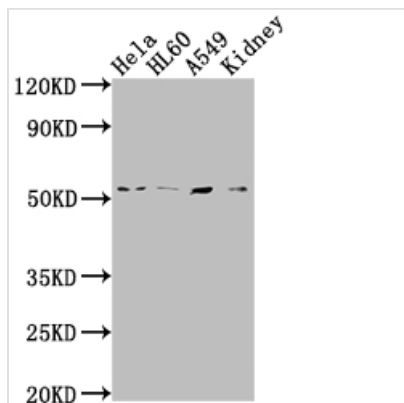




# ILK Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA963626A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q13418
<b>Immunogen</b>	A synthesized peptide derived from human ILK
<b>Species Reactivity</b>	Human, Mouse
<b>Tested Applications</b>	ELISA, WB, IF, IP; Recommended dilution: WB:1:500-1:5000, IF:1:20-1:200, IP:1:200-1:1000
<b>Relevance</b>	Receptor-proximal protein kinase regulating integrin-mediated signal transduction (PubMed:8538749, PubMed:9736715). 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 (PubMed:8538749, PubMed:9736715).
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Signal transduction
<b>Target Names</b>	ILK
<b>Clone No.</b>	6A5
<b>Image</b>	


**Western Blot**

Positive WB detected in: HeLa whole cell lysate, HL60 whole cell lysate, A549 whole cell lysate, Mouse kidney tissue

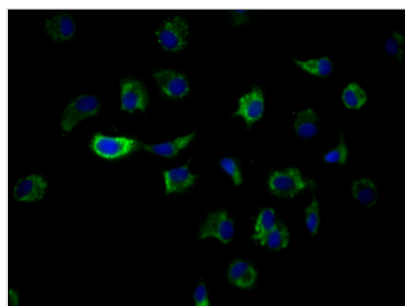
All lanes: ILK antibody at 1:2000

Secondary

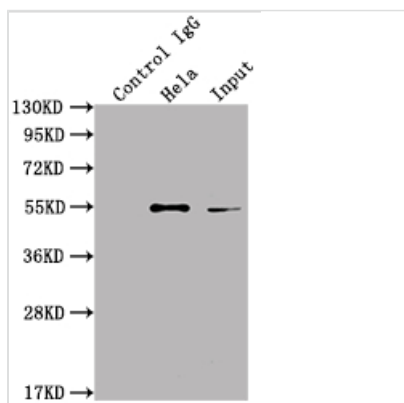
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 52, 45, 37 kDa

Observed band size: 51 kDa



Immunofluorescence staining of MCF7 Cells with CSB-RA963626A0HU at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4?. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).


**Immunoprecipitating ILK in HeLa whole cell lysate**

Lane 1: Rabbit control IgG instead of CSB-RA963626A0HU in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: CSB-RA963626A0HU(2µg)+ HeLa whole cell lysate(500µg)

Lane 3: HeLa whole cell lysate (10µg)

**Usage**

For Research Use Only. Not for use in diagnostic or therapeutic procedures.