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Datasheet for ABIN7127572 Recombinant anti-ILK antibody

3 Images



Overview

Quantity:	100 µL
Target:	ILK
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This ILK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human ILK
Clone:	6A5
lsotype:	lgG
Cross-Reactivity:	Human, Mouse
Purification:	Affinity-chromatography

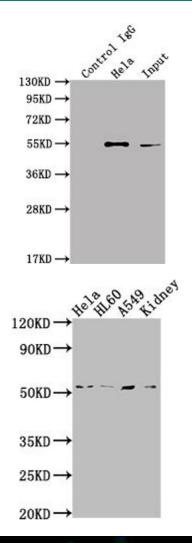
Target Details

Target:	ILK
Alternative Name:	ILK (ILK Products)
Background:	Background: Receptor-proximal protein kinase regulating integrin-mediated signal transduction

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	(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).
	Aliases: Integrin-linked protein kinase (EC 2.7.11.1) (59 kDa serine/threonine-protein kinase) (ILK-1) (ILK-2) (p59ILK), ILK, ILK1 ILK2
UniProt:	Q13418
Pathways:	Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Maintenance of Protein Location, Skeletal Muscle Fiber Development, Smooth Muscle Cell Migration
Application Details	
Application Notes:	Recommended dilution: WB:1:500-1:5000, IF:1:20-1:200, IP:1:200-1:1000,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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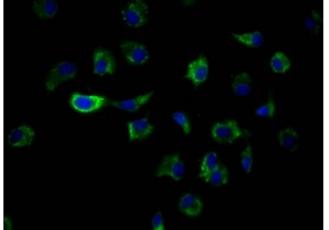


Western Blotting

Image 1. Immunoprecipitating ILK in Hela whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7127572 in Hela whole cell lysate. For western blotting,a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7127572(2 µg)+ Hela whole cell lysate(500 µg) Lane 3: Hela whole cell lysate (10 µg)

Western Blotting

Image 2. 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

Image 3. Immunofluorescence staining of MCF7 Cells with ABIN7127572 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 °C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).