

ILK-1 Polyclonal Antibody

CATALOG #:	3423-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide corresponding to the C-terminus of human ILK-1 (Internal ID# BV-B24).
SPECIES REACTIVITY:	Human, Mouse, Rat (Bovine, Chicken, Dog, Zebrafish)
FORMULATION:	100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

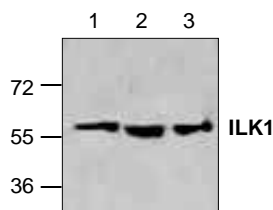
ILKs (Integrin-linked kinases) in combination with integrins and growth factors regulate cell survival, cell cycle, cell-cell adhesion and cell motility. ILK functions as a scaffold bridging the extra-cellular matrix (ECM) and growth factor receptors to the actin cytoskeleton through interactions with integrin, PINCH (which links ILK to the RTKs via Nck2), CH-ILKBP and affixin. ILK phosphorylates several cellular targets including Akt, GSK-3, myosin light chain 2, as well as affixin. These phosphorylation events are key regulatory steps in modulating the activities of the targets.

SPECIFICITY:

The antibody recognizes 59 kDa of ILK1 from samples of human, mouse, and rat origins. Reactivity to other species has not been determined.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). Per researcher's feedback, it can also be used in immunohistochemistry (10-20 µg/ml, frozen & paraffin). However, the optimal concentrations should be determined individually.



Cat. #: 3423-100
Western blot analysis of ILK1 in Jurkat cell lysate (Lane 1&2) and rat kidney tissue lysate (Lane 3).

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

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- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies