

ILK-1 Polyclonal Antibody

CATALOG NO:	3423-30T	30 µg (Trial size)
	3423-100	100 µg
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:

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:

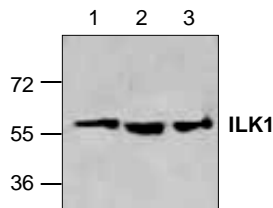
ILKs (Integrin-linked kinases) in combination with integrins and growth factors regulate cell survival, cell cycle, cell-cell adhesion and cell motility. ILK functions as a scaffold bridging the extra-cellular matrix (ECM) and growth factor receptors to the actin cytoskeleton through interactions with 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)

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