

## ILK-1 (Phospho Ser343) rabbit pAb

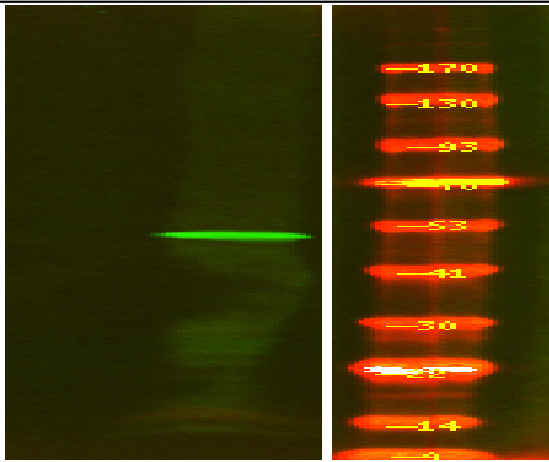
<b>Catalog No :</b>	YP1702
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	ILK
<b>Fields :</b>	>>PPAR signaling pathway;>>Axon guidance;>>Focal adhesion;>>Bacterial invasion of epithelial cells;>>Shigellosis;>>Endometrial cancer
<b>Gene Name :</b>	ILK ILK1 ILK2
<b>Protein Name :</b>	ILK-1 (Phospho-Ser343)
<b>Human Gene Id :</b>	3611
<b>Human Swiss Prot No :</b>	Q13418
<b>Mouse Gene Id :</b>	16202
<b>Mouse Swiss Prot No :</b>	O55222
<b>Rat Gene Id :</b>	170922
<b>Rat Swiss Prot No :</b>	Q99J82
<b>Immunogen :</b>	Synthesized peptide derived from human ILK-1 (Phospho-Ser343)
<b>Specificity :</b>	This antibody detects endogenous levels of ILK-1 (Phospho-Ser343) at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000

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<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	50kD
<b>Background :</b>	This gene encodes a protein with a kinase-like domain and four ankyrin-like repeats. The encoded protein associates at the cell membrane with the cytoplasmic domain of beta integrins, where it regulates integrin-mediated signal transduction. Activity of this protein is important in the epithelial to mesenchymal transition, and over-expression of this gene is implicated in tumor growth and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013],
<b>Function :</b>	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:A PH-like domain is involved in phosphatidylinositol phosphate binding.,enzyme regulation:Stimulated rapidly but transiently by both cell fibronectin interactions, as well as by insulin, in a PI3-K-dependent manner, likely via the binding of PtdIns(3,4,5)P3 with a PH-like domain of ILK.,function:Receptor-proximal protein kinase regulating integrin-mediated signal transduction. 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
<b>Subcellular Location :</b>	Cell junction, focal adhesion . Cell membrane; Peripheral membrane protein; Cytoplasmic side . Cell projection, lamellipodium . Cytoplasm, myofibril, sarcomere .
<b>Expression :</b>	Highly expressed in heart followed by skeletal muscle, pancreas and kidney. Weakly expressed in placenta, lung and liver.

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## Products Images



Western Blot analysis of 1 HEK-293 cell, 2 Serum-free treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000