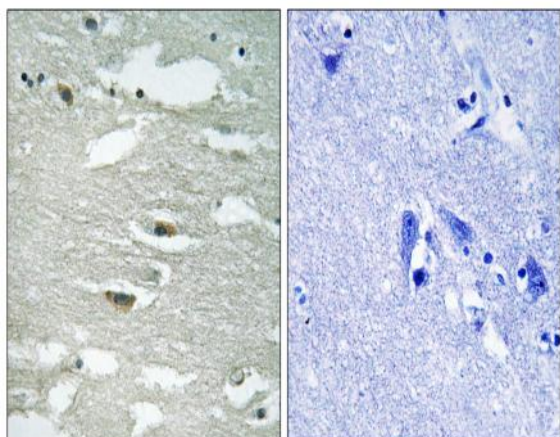


ILK (phospho Ser246) Polyclonal Antibody

Catalog No :	YP1044
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	ILK
Fields :	>>PPAR signaling pathway;>>Axon guidance;>>Focal adhesion;>>Bacterial invasion of epithelial cells;>>Shigellosis;>>Endometrial cancer
Gene Name :	ILK
Protein Name :	Integrin-linked protein kinase
Human Gene Id :	3611
Human Swiss Prot No :	Q13418
Mouse Gene Id :	16202
Mouse Swiss Prot No :	O55222
Rat Gene Id :	170922
Rat Swiss Prot No :	Q99J82
Immunogen :	The antiserum was produced against synthesized peptide derived from human ILK around the phosphorylation site of Ser246. AA range:212-261
Specificity :	Phospho-ILK (S246) Polyclonal Antibody detects endogenous levels of ILK protein only when phosphorylated at S246.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	51kD
Cell Pathway :	PPAR;Focal adhesion;Endometrial cancer;
Background :	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],
Function :	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
Subcellular Location :	Cell junction, focal adhesion . Cell membrane; Peripheral membrane protein; Cytoplasmic side . Cell projection, lamellipodium . Cytoplasm, myofibril, sarcomere .
Expression :	Highly expressed in heart followed by skeletal muscle, pancreas and kidney. Weakly expressed in placenta, lung and liver.

Products Images



Immunohistochemistry analysis of paraffin-embedded human brain, using ILK (Phospho-Ser246) Antibody. The picture on the right is blocked with the phospho peptide.