

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

Q13418

O55222

Human Gene Id: 3611

Human Swiss Prot

No:

Mouse Gene Id: 16202

Mouse Swiss Prot

No:

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

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Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) Storage Stability:

Molecularweight: 51kD

PPAR; Focal adhesion; Endometrial cancer; Cell Pathway:

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 Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Location:

Cytoplasmic side. Cell projection, lamellipodium. Cytoplasm, myofibril,

sarcomere.

Highly expressed in heart followed by skeletal muscle, pancreas and kidney. **Expression:**

Weakly expressed in placenta, lung and liver.

Sort: 8544

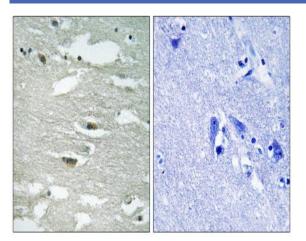
No4:

Host: Rabbit

Modifications: Phospho



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.