

产品名称: ILK (phospho Ser246) Rabbit Polyclonal Antibody
产品货号: AP Rab04845



产品概述 (Summary)

产品名称 (Production Name)	ILK (phospho Ser246) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ILK
别名 (Alternative Names)	ILK; ILK1; ILK2; Integrin-linked protein kinase; 59 kDa serine/threonine-protein kinase; ILK-1; ILK-2; p59ILK
基因 ID (Gene ID)	3611.0
蛋白 ID (SwissProt ID)	Q13418. The antiserum was produced against synthesized peptide derived from human ILK around the phosphorylation site of Ser246. AA range: 212-261

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	

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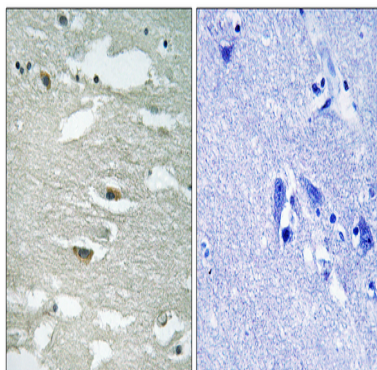
研究背景 (Background)

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], 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 AKT1 and GSK3B., PTM: Autophosphorylated on serine residues., similarity: Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family., similarity: Contains 1 protein kinase domain., similarity: Contains 5 ANK repeats., subunit: Interacts with cytoplasmic domain of beta 1 subunit of integrin. Could also interact with beta 2, beta 3 and/or beta 5 subunit of integrin. Interacts (via ANK repeats) with LIMS1 and LIMS2. Interacts with parvins and probably TGFB1I1., tissue specificity: Highly expressed in heart followed by skeletal muscle, pancreas and kidney. Weakly expressed in placenta, lung and liver.,

研究领域 (Research Area)

PPAR; Focal adhesion; Endometrial cancer;

图片 (Image Data)



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

注意事项 (Note)

For research use only .

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