

## ILK Polyclonal Antibody

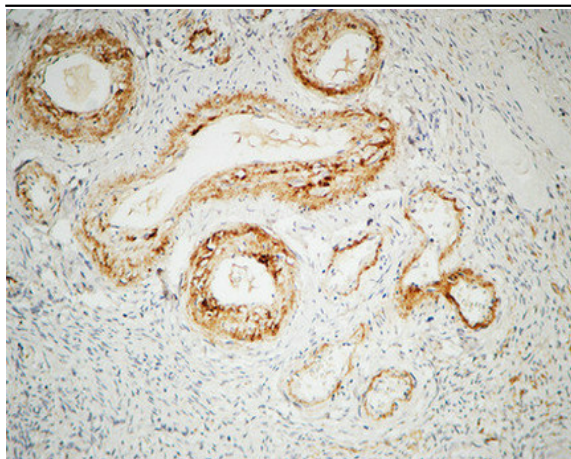
<b>Catalog No :</b>	YT2346
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	ILK
<b>Fields :</b>	>>PPAR signaling pathway;>>Axon guidance;>>Focal adhesion;>>Bacterial invasion of epithelial cells;>>Shigellosis;>>Endometrial cancer
<b>Gene Name :</b>	ILK
<b>Protein Name :</b>	Integrin-linked protein kinase
<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>	The antiserum was produced against synthesized peptide derived from human ILK. AA range:212-261
<b>Specificity :</b>	ILK Polyclonal Antibody detects endogenous levels of ILK protein.
<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 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

---

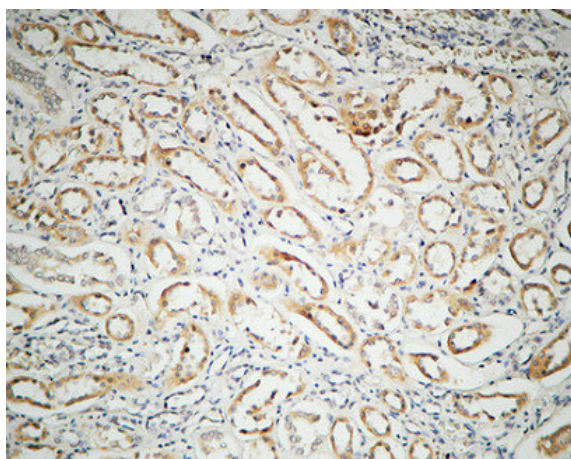
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	42kD
<b>Cell Pathway :</b>	PPAR;Focal adhesion;Endometrial cancer;
<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.

---

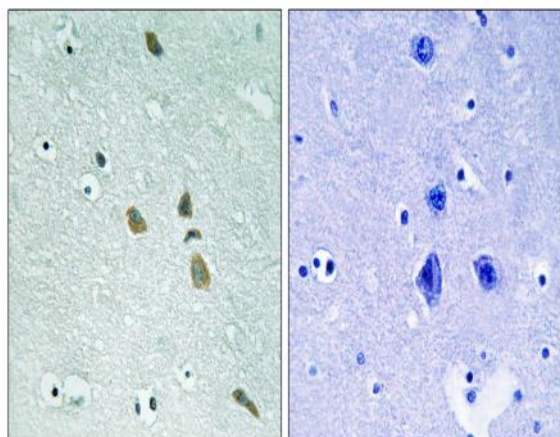
## Products Images



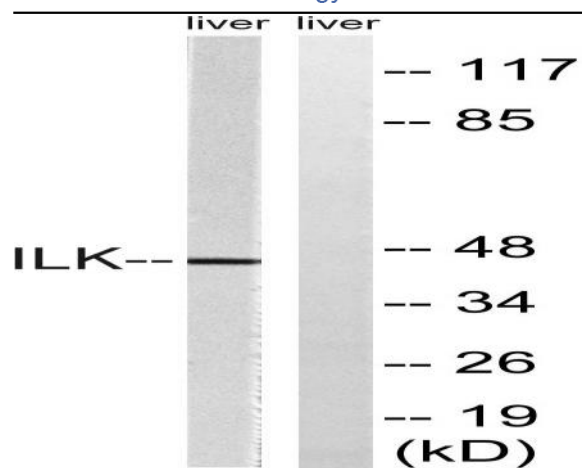
Immunohistochemical analysis of paraffin-embedded Human ovary. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



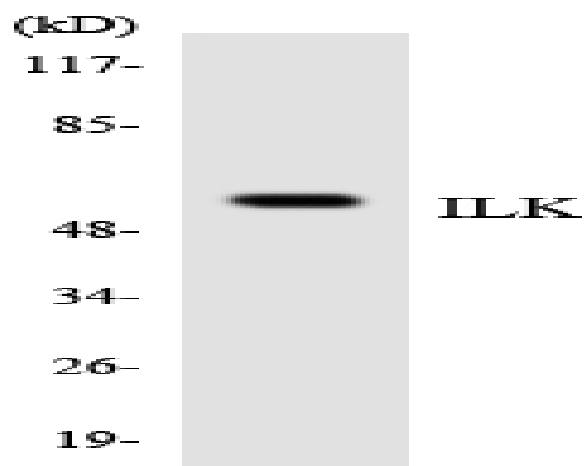
Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ILK Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from rat liver cells, using ILK Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using ILK antibody.