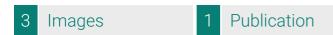
# antibodies - online.com







## anti-ILK antibody (AA 225-253)





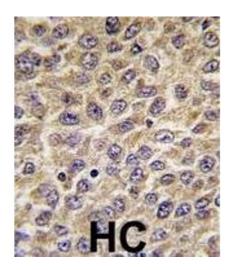
Overview	
Quantity:	400 μL
Target:	ILK
Binding Specificity:	AA 225-253
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ILK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This ILK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 225-253 amino acids from human ILK.
Clone:	RB13868
Isotype:	lg Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	ILK
Alternative Name:	ILK (ILK Products)

### **Target Details**

Background:	Transduction of extracellular matrix signals through integrins influences intracellular and
	extracellular functions, and appears to require interaction of integrin cytoplasmic domains with
	cellular proteins. Integrin-linked kinase (ILK), interacts with the cytoplasmic domain of beta-1
	integrin. ILK is a serine/threonine protein kinase with 4 ankyrin-like repeats, which associates
	with the cytoplasmic domain of beta integrins and acts as a proximal receptor kinase regulating
	integrin-mediated signal transduction.
Molecular Weight:	51419
Gene ID:	3611
NCBI Accession:	NP_001014794, NP_001014795, NP_001265370, NP_004508
UniProt:	Q13418
Pathways:	Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Maintenance of Protein
	Location, Skeletal Muscle Fiber Development, Smooth Muscle Cell Migration
Application Details	
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in smal
	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	Chen, Hou, Fan, Jin, Wang: "Sonic hedgehog protein regulates fibroblast growth factor 8

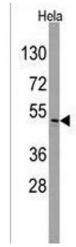
expression in metanephric explant culture from BALB/c mice: Possible mechanisms associated with renal morphogenesis." in: **Molecular medicine reports**, Vol. 14, Issue 4, pp. 2929-36, (2017) (PubMed).

#### **Images**



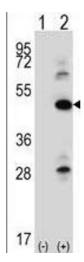
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ILK Antibody (ABIN391996 and ABIN2841782), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



#### **Western Blotting**

**Image 2.** Western blot analysis of anti-ILK Antibody (ABIN391996 and ABIN2841782) in Hela cell line lysates (35  $\mu$ g/lane). ILK(arrow) was detected using the purified Pab.



#### **Western Blotting**

Image 3. Western blot analysis of ILK (arrow) using rabbit polyclonal ILK Antibody (p) (ABIN391996 and ABIN2841782). 293 cell lysates (2 μg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ILK gene.