

ILK (phospho T173) polyclonal antibody

Catalog # PAB3064

Size 400 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of ILK.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T173 of human ILK1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

Gene Info — ILK

Entrez GeneID	3611
Protein Accession#	Q13418;NP_004508
Gene Name	ILK
Gene Alias	DKFZp686F1765, P59
Gene Description	integrin-linked kinase
Omim ID	602366
Gene Ontology	Hyperlink
Gene Summary	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. This gene encodes 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. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Role for integrin-linked kinase in mediating tubular epithelial to mesenchymal transition and renal interstitial fibrogenesis.](#)
 Li Y, Yang J, Dai C, Wu C, Liu Y.
 The Journal of Clinical Investigation 2003 Aug; 112(4):503.
- [Characterisation of integrin-linked kinase signalling in sporadic human colon cancer.](#)
 Marotta A, Parhar K, Owen D, Dedhar S, Salh B.
 British Journal of Cancer 2003 Jun; 88(11):1755.
- [Conditional knock-out of integrin-linked kinase demonstrates an essential role in protein kinase B/Akt activation.](#)
 Troussard AA, Mawji NM, Ong C, Mui A, St-Arnaud R, Dedhar S.
 The Journal of Biological Chemistry 2003 Apr; 278(25):22374.

Pathway

- [Endometrial cancer](#)
- [Focal adhesion](#)
- [PPAR signaling pathway](#)