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PRODUCT INFORMATION

Antigen Description	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.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 150 - 250 of Human Integrin linked ILK.
Isotype	lgG
Source/Host	Rabbit
Species Reactivity	Mouse, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, ICC/IF, WB
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze

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GENE INFORMATION

Gene Name	ILK integrin-linked kinase [Homo sapiens]
Official Symbol	ILK
Synonyms	ILK; integrin-linked kinase; P59; ILK-1; ILK-2; p59ILK; HEL-S-28; integrin-linked protein kinase; integrin-linked kinase-2; epididymis secretory protein Li 28; 59 kDa serine/threonine-protein kinase;
Entrez Gene ID	<u>3611</u>
Protein Refseq	<u>NP_001014794.1</u>
UniProt ID	<u>Q13418</u>
Pathway	Bacterial invasion of epithelial cells; Cell junction organization; Cell-extracellular matrix interactions; Endometrial cancer
Function	ATP binding; SH3 domain binding; integrin binding; protein binding