

## Anti-Integrin linked ILK Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9949-Cy3

### About ILK

ILK, also known as Integrin-linked kinase, is a serine-threonine protein kinase. 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 was initially described to encode 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. Recent results showed that ILK contains 5 ankyrin-like repeats, and that the C-terminal kinase domain is actually a pseudo-kinase with adaptor function.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Integrin linked ILK Antibody Picoband® Cy3 Conjugated   |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | Q13418   |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human Integrin linked ILK recombinant protein (Position: M1-H203). Human Integrin linked ILK shares 99.5% amino acid (aa) sequence identity with both mouse and rat Integrin linked ILK. |
| Cross Reactivity | No cross-reactivity with other proteins   |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | Cy3<br>Excitation Wavelength: 554 nm  |

|                     |  |
|---------------------|--|
|                     | Emission Wavelength: 568 nm  |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

## 1 Publications Citing This Product

1. PubMed ID: 29050317, MicroRNA-542-3p inhibits oral squamous cell carcinoma progression by inhibiting ILK/TGF- $\beta$ 1/Smad2/3 signaling

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