

## Anti-CLK2 Antibody Picoband® Cy3 Conjugated

Catalog Number: A05206-2-Cy3

### About CLK2

Dual specificity protein kinase CLK2 is an enzyme that in humans is encoded by the CLK2 gene. It is mapped to 1q22. This gene encodes a dual specificity protein kinase that phosphorylates serine/threonine and tyrosine-containing substrates. Activity of this protein regulates serine- and arginine-rich (SR) proteins of the spliceosomal complex, thereby influencing alternative transcript splicing. Chromosomal translocations have been characterized between this locus and the PAFAH1B3 (platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa)) gene on chromosome 19, resulting in the production of a fusion protein. Note that this gene is distinct from the TELO2 gene (GeneID:9894), which shares the CLK2 alias, but encodes a protein that is involved in telomere length regulation. There is a pseudogene for this gene on chromosome 7. Alternative splicing results in multiple transcript variants.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-CLK2 Antibody Picoband® Cy3 Conjugated   |
| Reactive Species     | Human, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | P49760  |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | E.coli-derived human CLK2 recombinant protein (Position: A140-D496). |
| 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<br>Emission Wavelength: 568 nm  |

Suggested Dilutions

Optimal dilutions should be determined by end users.

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Anti-CLK2 Antibody - Cy3

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