

## Anti-Cdk7 Antibody Picoband® FITC Conjugated

Catalog Number: PB9536-FITC

### About CDK7

Cyclin-dependent kinase 7, also known as cell division protein kinase 7, is an enzyme that in humans is encoded by the CDK7 gene. The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. The gene was assigned to human chromosome 5q13.2. Serine/threonine kinase involved in cell cycle control and in RNA polymerase II-mediated RNA transcription. CDK7 is the catalytic subunit of the CDK-activating kinase (CAK) complex. It is required for DNA-bound peptides-mediated transcription and cellular growth inhibition.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Cdk7 Antibody Picoband® FITC Conjugated   |
| Reactive Species     | Human  |
| Application          | Recommended applications are based on the parent unconjugated antibody (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           | P50613   |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | E.coli-derived human Cdk7 recombinant protein (Position: D31-F346). Human Cdk7 shares 94.9% and 96.1% amino acid (aa) sequence identity with mouse and rat Cdk7, respectively. |
| Cross Reactivity    | No cross-reactivity with other proteins  |
| Isotype             | Rabbit IgG   |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Purification        | Immunogen affinity purified.   |
| Conjugate           | FITC<br>Excitation Wavelength: 495 nm<br>Emission Wavelength: 525 nm   |
| Suggested Dilutions | Optimal dilutions should be determined by end users.   |

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Anti-Cdk7 Antibody - FITC

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