BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Cyclin-dependent kinase 7 Cdk7 Antibody Picoband®

**Catalog Number:** PA2126-1

## 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.

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## Overview

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|---|---|
| Product Name | Anti-Cyclin-dependent kinase 7 Cdk7 Antibody Picoband® |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Cyclin-dependent kinase 7 Cdk7 Antibody catalog # PA2126-1. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Application | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.<br>*This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P50613 |

## Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human Cdk7, different from the related rat and mouse sequences by two amino acids. |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse |

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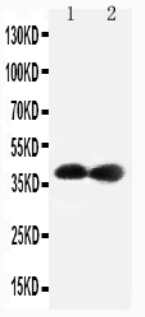
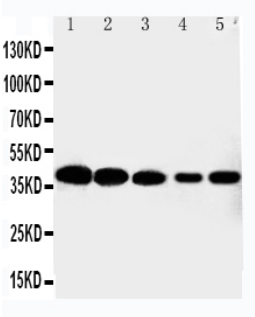
# Anti-Cyclin-dependent kinase 7 Cdk7 Antibody Picoband® (PA2126-1) Images




Anti-Cdk7 antibody, PA2126-1, Western blottingLane 1: Rat Testis Tissue LysateLane 2: Rat Ovary Tissue Lysate




Anti-Cdk7 antibody, PA2126-1, Western blottingLane 1: HELA Cell LysateLane 2: MCF-7 Cell LysateLane 3: A549 Cell LysateLane 4: COLO320 Cell LysateLane 5: JURKAT Cell Lysate

Anti-Cyclin-dependent kinase 7 Cdk7 Antibody

For Research Use Only. Not for use in diagnostic procedures.