

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.

Overview

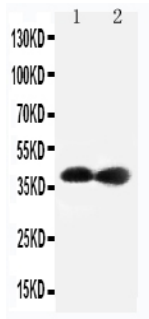
Product Name	Anti-Cyclin-dependent kinase 7 Cdk7 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cyclin-dependent kinase 7 Cdk7 Antibody catalog # PA2126-1. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a 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 Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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

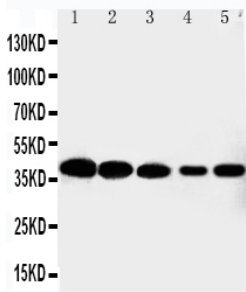
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cdk7, different from the related rat and mouse sequences by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	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

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



Anti-Cdk7 antibody, PA2126-1, Western blotting
Lane 1: Rat Testis Tissue Lysate
Lane 2: Rat Ovary Tissue Lysate



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

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Anti-Cyclin-dependent kinase 7 Cdk7 Antibody

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