

Datasheet for ABIN3043473
anti-CDK1 antibody (AA 66-297)

4 Images

11 Publications

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CDK1
Binding Specificity:	AA 66-297
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 1(CDK1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human CDK1 recombinant protein (Position: L66-M297). Human CDK1 shares 97.8% and 98.3% amino acid (aa) sequence identity with mouse and rat CDK1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 1(CDK1) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: cyclin-dependent kinase 1 Protein Name: Cyclin-dependent kinase 1
Purification:	Immunogen affinity purified.

Target Details

Target:	CDK1
Alternative Name:	CDK1 (CDK1 Products)
Background:	<p>CDC2, Cell Division Cycle 2, is also known as CDK1 (Cyclin-dependent Kinase 1). CDC2 is a catalytic subunit of a protein kinase complex, called the M-phase promoting factor that induces entry into mitosis and is universal among eukaryotes. In HeLa cells CDC2 is the most abundant phosphotyrosine-containing protein and its phosphotyrosine content is subject to cell cycle regulation. CDC2 gene is located on chromosome 10.</p> <p>Synonyms: Cdc 2 antibody Cdc2 antibody CDC28A antibody CDK 1 antibody CDK1 antibody CDK1_HUMAN antibody CDKN1 antibody CELL CYCLE CONTROLLER CDC2 antibody Cell division control protein 2 antibody Cell division control protein 2 homolog antibody Cell division cycle 2 G1 to S and G2 to M antibody Cell division protein kinase 1 antibody Cell Division Cycle 2 Protein antibody Cyclin Dependent Kinase 1 antibody Cyclin-dependent kinase 1 antibody DKFZp686L20222 antibody MGC111195 antibody p34 Cdk1 antibody p34 protein kinase antibody P34CDC2 antibody</p>
Gene ID:	983
UniProt:	P06493
Pathways:	Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Mitotic G1-G1/S Phases , DNA Replication , M Phase , Toll-Like Receptors Cascades , Synthesis of DNA

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

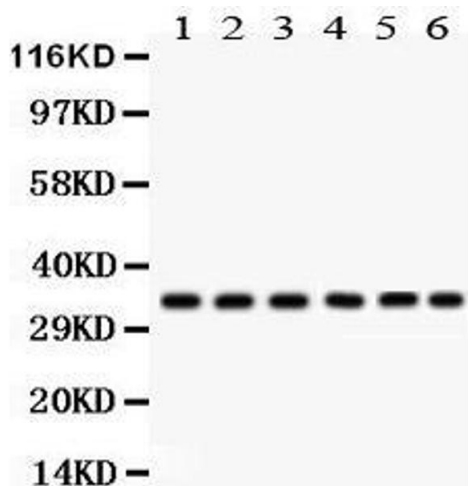
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in:	Li, Zhao, Qi, Wang, Zhang, Li, Qin: "lncRNA Ftx promotes aerobic glycolysis and tumor progression through the PPAR γ pathway in hepatocellular carcinoma." in: International journal of oncology , Vol. 53, Issue 2, pp. 551-566, (2018) (PubMed).
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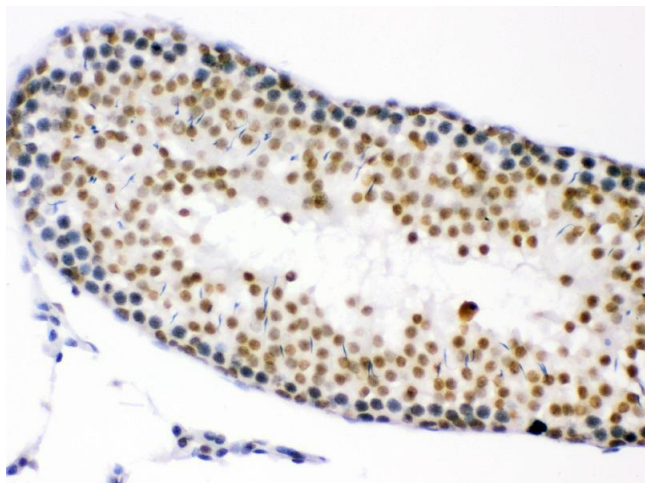
There are more publications referencing this product on: [Product page](#)

Images



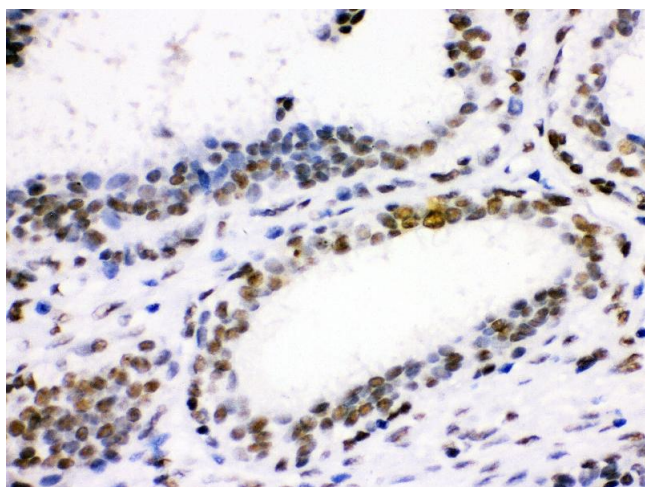
Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- CDK1 Picoband antibody, IHC(P) IHC(P): Rat Testis Tissue



Immunohistochemistry

Image 3. Anti- CDK1 Picoband antibody, IHC(P) IHC(P): Human Mammary Cancer Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043473.