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Anti-CDK2 Rabbit Monoclonal Antibody

Catalog Number: M00166

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Overview

Product Name	Anti-CDK2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CDK2 Rabbit Monoclonal Antibody catalog # M00166. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal GD-3
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *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. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P24941

Technical Details

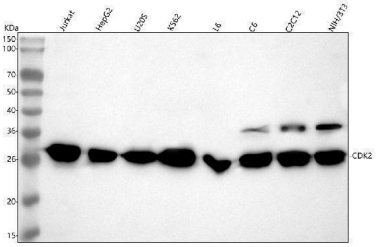
Immunogen	A synthesized peptide derived from human Cdk2
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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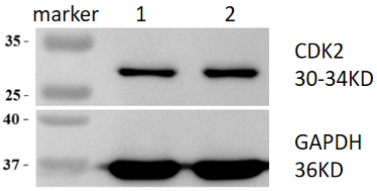
	IHC, 1:50-200 ICC/IF, 1:50-200 IP, 1:30

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Anti-CDK2 Rabbit Monoclonal Antibody (M00166) Images



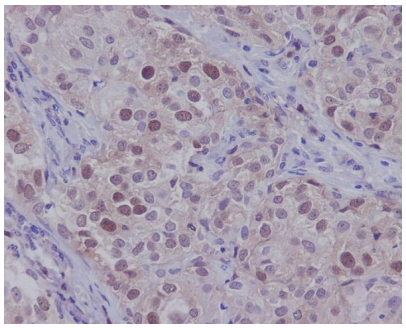
Western blot analysis of CDK2 using anti-CDK2 antibody (M00166). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human U2OS whole cell lysates, Lane 4: human K562 whole cell lysates, Lane 5: rat L6 whole cell lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse C2C12 whole cell lysates, Lane 8: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CDK2 antigen affinity purified monoclonal antibody (Catalog # M00166) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:1000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CDK2 at approximately 30 kDa. The expected band size for CDK2 is at 34 kDa.

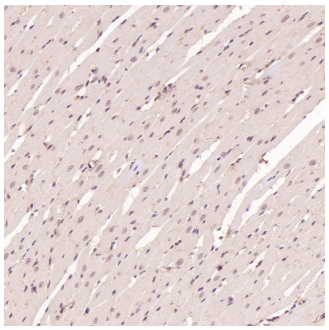


Western blot analysis of CDK2 using anti-CDK2 antibody (M00166). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1-2: mouse hippocampal tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CDK2 antigen affinity purified monoclonal antibody (Catalog # M00166) at 1:3000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with ChemiDoc MP system. A specific band was detected for CDK2 at approximately 30 kDa. The expected band size for CDK2 is at 34 kDa.

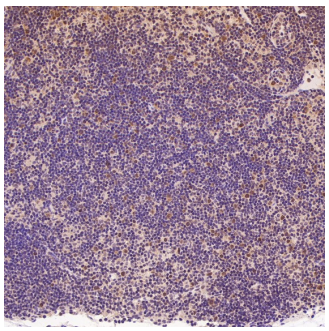
Immunohistochemical analysis of paraffin-embedded human beast carcinoma, using CDK2 Antibody.

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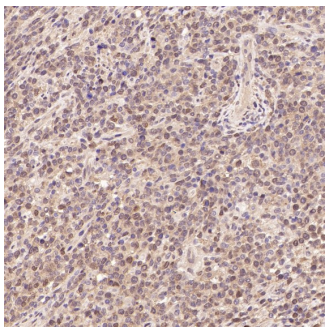




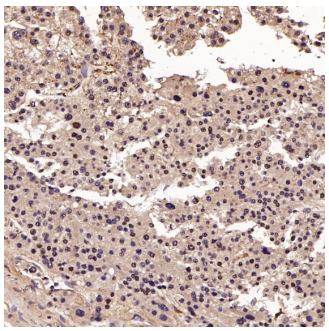
Immunohistochemical analysis of paraffin-embedded Rat heart, using the Antibody at 1:200 dilution.



Immunohistochemical analysis of paraffin-embedded Rat pancreas, using the Antibody at 1:200 dilution.

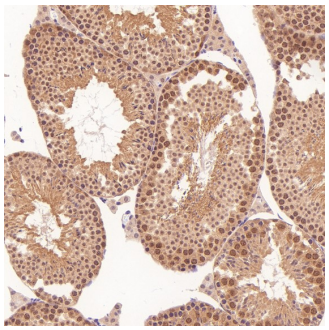


Immunohistochemical analysis of paraffin-embedded Human non-Hodgkin's lymphoma, using the Antibody at 1:100 dilution.

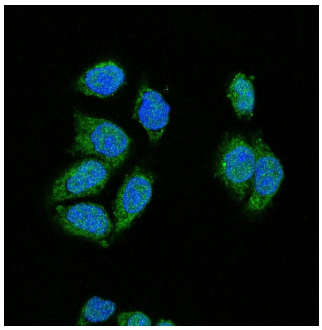


Immunohistochemical analysis of paraffin-embedded Human liver cancer, using the Antibody at 1:100 dilution.

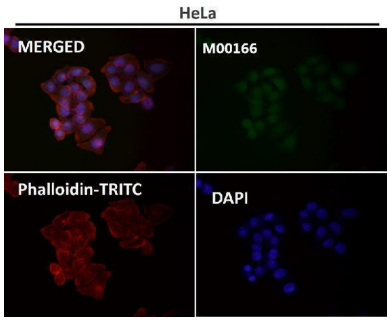
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Immunohistochemical analysis of paraffin-embedded Mouse testis, using the Antibody at 1:100 dilution.



Immunofluorescent analysis of Hela cells, using CDK2 Antibody .



Immunofluorescent analysis using the Antibody at 1:150 dilution.

5 Publications Citing This Product

1. PubMed ID: 29541349, Liu X, Lin X, Mi Y, Li J, Zhang C. Oxid Med Cell Longev. 2018 Jan 9;2018:9390810. doi: 10.1155/2018/9390810. eCollection 2018. Grape Seed Proanthocyanidin Extract Prevents Ovarian Aging by Inhibiting Oxidative Stress in the Hens

2. PubMed ID: 27065079, TALENs-directed?knockout?of the?full-length?transcription?factor?Nrf1? that?represses?malignantbehaviour?of?human?hepatocellular?carcinoma?(HepG2)?cells

3. PubMed ID: 25659038, Enterovirus 71 mediates cell cycle arrest in S phase through non-structural protein 3D

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