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Anti-CDK1/Cdc2 Rabbit Monoclonal Antibody

Catalog Number: M00209-4

Overview

Product Name	Anti-CDK1/Cdc2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CDK1/Cdc2 Rabbit Monoclonal Antibody catalog # M00209-4. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal CBB-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	P06493

Technical Details

Immunogen	A synthesized peptide derived from human CDK1
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:20

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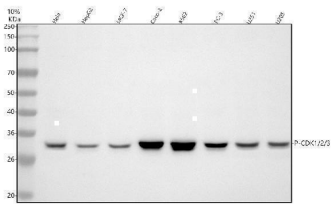
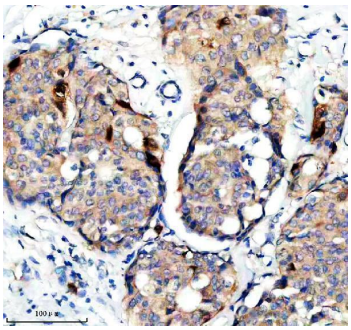
Anti-CDK1/Cdc2 Rabbit Monoclonal Antibody (M00209-4) Images



Western blot analysis of CDK1/2/3 (Phospho-T14) using anti-CDK1/2/3 (Phospho-T14) antibody (M00209-4). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human Caco-2 whole cell lysates, Lane 5: human K562 whole cell lysates, Lane 6: human PC-3 whole cell lysates, Lane 7: human U251 whole cell lysates, Lane 8: human U2OS 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-CDK1/2/3 (Phospho-T14) antigen affinity purified monoclonal antibody (M00209-4) at a dilution of 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 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for CDK1/2/3 (Phospho-T14) at approximately 32-34 kDa. The expected band size for CDK1/2/3 (Phospho-T14) is at 34 kDa.



IHC analysis of CDK1/2/3 (Phospho-T14) using anti-CDK1/2/3 (Phospho-T14) antibody (M00209-4). CDK1/2/3 (Phospho-T14) was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with a dilution of 1:50 rabbit anti-CDK1/2/3 (Phospho-T14) Antibody (M00209-4) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

5 Publications Citing This Product

1. PubMed ID: 33292254, Wang C,Shao S,Deng L,Wang S,Zhang Y. LncRNA SNHG12 regulates the radiosensitivity of cervical cancer through the miR-148a/CDK1 pathway. Cancer Cell Int.2020 Dec 1;20(1):554.doi:10.1186/s12935-020-01654-5.PMID:33292254;PMCID:PMC7708190.

2. PubMed ID: 30159255, Coxsackievirus A6 induces cell cycle arrest in G0/G1 phase for viral production

3. PubMed ID: 28229049, Human enterovirus 68 interferes with the host cell cycle to facilitate viral production

Visit bosterbio.com/anti-cdk1-rabbit-monoclonal-antibody-m00209-4-boster.html to see all 5 publications.

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