Product datasheet

Anti-CDK1 (Phospho-T14) Antibody (Clone#DFH-3)

Catalog Number: *BM4328*

antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd and 4th floors, Optics Valley Biomedical Accelerator, Wuhan East Lake High-tech Development Zone
Web: www.boster.com ***Phone:*** 027-67845390 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-CDK1 (Phospho-T14) Antibody (Clone#DFH-3)
Gene Name	CDK1
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Phospho-Cdk1/2 (T14)
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	34 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200 ImmunoPrecipitation (IP): 1:20

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

The cyclin-dependent protein kinases(CDKs) regulate major cell cycle transitions in eukaryotic cells. CDKs contain an evolutionary conserved 16 amino acid sequence called PSTAIR(EGVPSTAIREISLLKE) which distinguishes them from other protein kinases. The PSTAIRE motif found in prototypic CDC2 kinases. CDC2L1 is referred as PITSLRE B, based on the amino acid sequence of the region corresponding to the conserved CDC2 PSTAIRE box.

Selected Validation Data

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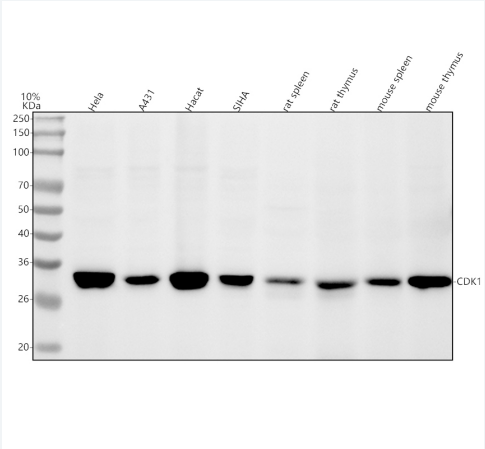
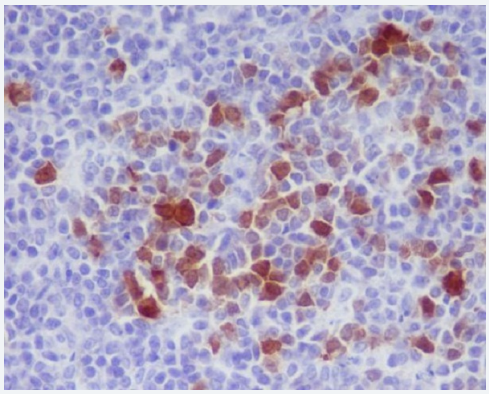


Figure 1. Western blot analysis of anti-CDK1 (Phospho-T14) antibody (BM4328). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human A431 whole cell lysates,
Lane 3: human Hacat whole cell lysates,
Lane 4: human SiHa whole cell lysates,
Lane 5: rat spleen tissue lysates,
Lane 6: rat thymus tissue lysates,
Lane 7: mouse spleen tissue lysates,
Lane 8: mouse thymus tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CDK1 (Phospho-T14) antigen affinity purified monoclonal antibody (BM4328) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CDK1 (Phospho-T14) at approximately 34 kDa. The expected band size for CDK1 (Phospho-T14) is at 34 kDa.



Immunohistochemical analysis of paraffin-embedded rat spleen, using Phospho-Cdk1/2 (T14) Antibody.