

## Anti-Cdk1 (N-terminal region) Antibody

Catalog # AN1713

### **Specification**

# Anti-Cdk1 (N-terminal region) Antibody - Product Information

Application WB, IHC, IF
Primary Accession P06493
Reactivity Bovine
Host Mouse

Clonality Mouse Monoclonal

Isotype IgG1
Calculated MW 34095

## Anti-Cdk1 (N-terminal region) Antibody - Additional Information

Gene ID 983

Other Names

Cdc2

### Target/Specificity

Cyclin-dependent kinases (Cdks) are a family of serine/threonine kinases that require association with regulatory subunits known as cyclins for activation. In addition, post-translational phosphorylation and dephosphorylation events regulate Cdk activity. Phosphorylation of Thr-160 in the T loop by Cdk-activating kinase (CAK) is an obligatory step in kinase activation. By contrast, phosphorylation of the Thr-14 and Tyr-15 residues by the Wee1 family of dual specificity kinases is inhibitory for the Cdks, and dephosphorylation of these residues by the Cdc25 family of phosphatases coincides with Cdk activation. Alternatively, Cdk5 appears to require different mechanisms for activation. This Cdk is activated through association with specific activators, including p35, p39, and p67. Cdk5 is primarily activated in neuronal cells, and only c-Abl kinase, rather than Wee family members, have been shown to phosphorylate Tyr-15 to regulate its activity.

### **Dilution**

WB~~1:1000 IHC~~1:100~500 IF~~1:50~200

#### **Format**

Protein A Purified

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

Anti-Cdk1 (N-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Shipping

Blue Ice

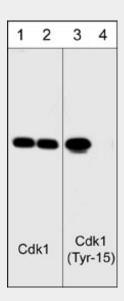


## Anti-Cdk1 (N-terminal region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Anti-Cdk1 (N-terminal region) Antibody - Images



Western blot analysis of human SYF fibroblasts before (lanes 1 & 3) and after (lanes 2 & 4) treatment with alkaline phosphatase. The blots were probed with anti-Cdk1 (N-terminal region) antibody (lanes 1 & 2) or anti-Cdk1 (Tyr-15) phospho-specific antibody (lanes 3 & 4).

# Anti-Cdk1 (N-terminal region) Antibody - Background

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