

## 30-1050: Anti-Cdk1 / p34Cdc2 Monoclonal Antibody (Clone:POH-1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	POH-1
<b>Application :</b>	IP
<b>Reactivity :</b>	Human
<b>Gene :</b>	CDK1
<b>Gene ID :</b>	983
<b>Uniprot ID :</b>	P06493
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CDK1,CDC2,CDC28A,CDKN1,P34CDC2
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Bacterially expressed full-length human Cdk1 protein

### Description

Cdk1 (cyclin-dependent kinase 1), also known as p34Cdc2 (cell division control protein kinase 2) depends on cyclin A and B and is triggered by a positive feedback loop at the end of G2 phase, which is the key event that initiates mitotic entry. Destruction of cyclin B during metaphase results in inactivation of Cdk1, allowing mitotic exit and cell division. Cdk1 also contributes to the control of DNA replication. Cdk1 can be inhibited by several transcriptional targets of p53, such as p21WAF.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive tissue: thymus.  
Western blotting: Recommended dilution: 1-2 µg/ml.

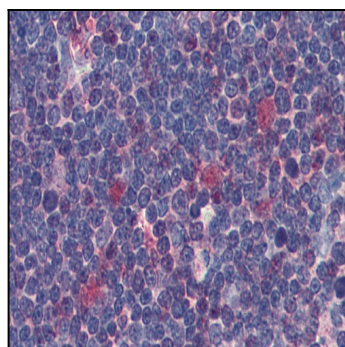


Figure 1: Immunohistochemistry staining of human thymus (paraffin sections) using anti-Cdk1 (clone POH-1).