

## CDK2 (Phospho-Thr14) Antibody FITC Conjugated

Catalog No: #C05649F

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	CDK2 (Phospho-Thr14) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from human CDK2 around the phosphorylation site of Thr14 [EG(p-T)YG]
Conjugates	FITC
Target Name	CDK2 Thr14
Other Names	p-CDH2 Thr14; CDH2 Thr14; CDH2 T14; Cadherin 2; Cadherin 2 N cadherin neuronal; Cadherin 2 type 1; Cadherin 2 type 1 N cadherin neuronal; cadherin 2 type 1 N-cadherin neuronal; Cadherin2; Calcium dependent adhesion protein neuronal; CD325; CD325 antigen; CDH2; CDHN; CDw325; CDw325 antigen; N cadheri
Accession No.	NCBI Gene ID1017
Uniprot	P24941
GenID	1017;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

IF=1:50-200

## Background

The protein encoded by this gene is a member of the Ser Thr protein kinase family. This protein kinase is highly similar to the gene products of *S. cerevisiae cdc28*, and *S. pombe cdc2*. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and essential for cell cycle G1 S phase transition. This protein associates with and regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by its protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of this gene have been reported. *cdk2* is a cell cycle protein closely related to *Cdc2 (cdk1)* that has proved useful as a marker of proliferation. *cdk2* binds cyclin type A and E proteins and controls progression into S-phase.

Note: This product is for in vitro research use only