

CDK4 Antibody

Catalog No: #31053

Package Size: #31053-1 50ul #31053-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	CDK4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CDK4 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Full length fusion protein
Target Name	CDK4
Other Names	Cyclin-dependent kinase 4, CMM3, PSK-J3
Accession No.	Swiss-Prot:P11802Gene ID:1019;
Uniprot	P11802
GeneID	1019;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

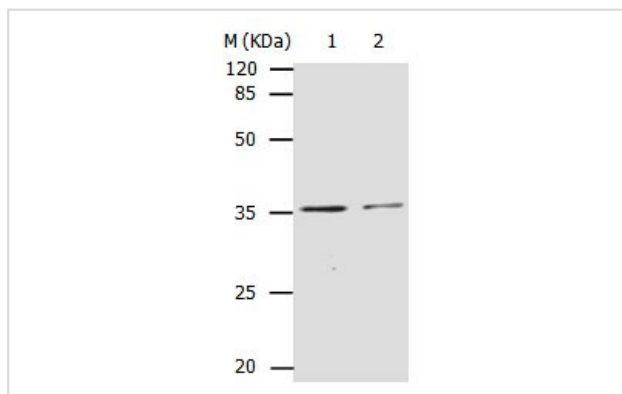
Predicted MW: 34kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:10-1:50

Images



Gel: 12%SDS-PAGE

Lane1: HeLa cell lysate

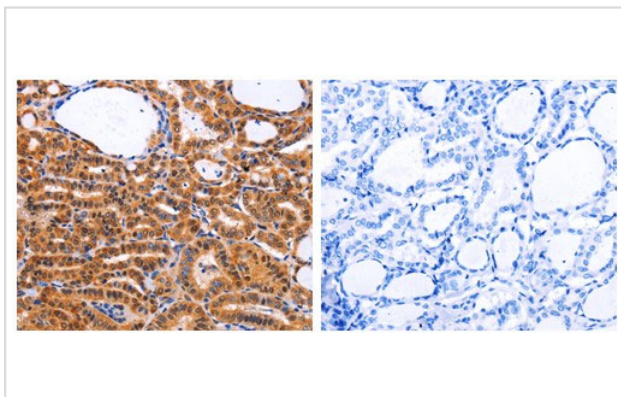
Lane2: 293T cell lysate

Lysates: 30ug per lane

Primary antibody: 1/450 dilution

Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/3000 dilution

Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 31053(CDK4 Antibody) at dilution 1/10, on the right is treated with the fusion protein.

Background

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of *S. cerevisiae* *cdc28* and *S. pombe* *cdc2*. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported.

Note: This product is for in vitro research use only