

Datasheet for ABIN5557290

anti-CDK4 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	CDK4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDK4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant human Cdk4 protein, around C-terminal 101aa.
Clone:	2F6
Isotype:	IgG2c
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	CDK4
Alternative Name:	Cdk4 (CDK4 Products)
Background:	Synonyms: Cyclin-dependent kinase 4, CDK4, Cell division protein kinase 4, PSK-J3 Background: Ser/Thr-kinase component of cyclin D-CDK4 (DC) complexes that phosphorylate

Target Details

and inhibit members of the retinoblastoma (RB) protein family including RB1 and regulate the cell-cycle during G(1)/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complexes and the subsequent transcription of E2F target genes which are responsible for the progression through the G(1) phase.

Hypophosphorylates RB1 in early G(1) phase. Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals. Also phosphorylates SMAD3 in a cell-cycle-dependent manner and represses its transcriptional activity. Component of the ternary complex, cyclin D/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.

Gene ID: 1019

UniProt: [P11802](#)

Pathways: [Cell Division Cycle](#), [Mitotic G1-G1/S Phases](#), [Regulation of Cell Size](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

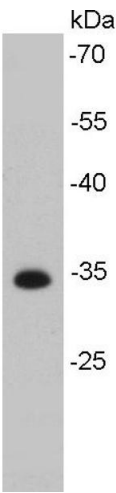
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months



Western Blotting

Image 1. HeLa cell lysate probed with Cdk4 (2F6) Monoclonal Antibody, Unconjugated at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody.