

Datasheet for ABIN544494
anti-CDK1 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	CDK1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of CDC2.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CDC2.
Cross-Reactivity:	Human

Target Details

Target:	CDK1
Alternative Name:	CDK1 / CDC2 (CDK1 Products)
Gene ID:	983
Pathways:	Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Mitotic G1-G1/S Phases , DNA Replication , M Phase ,

Target Details

[Toll-Like Receptors Cascades](#), [Synthesis of DNA](#)

Application Details

Application Notes: Flow Cytometry (1:10-50)
Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.09 % sodium azide)

Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

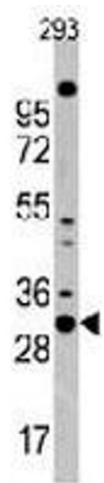
Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Hester, Verhelle, Escoubet-Lozach, Luna, Rose, Glass: "Differential repression of c-myc and cdc2 gene expression by ERF and PE-1/METS." in: **Cell cycle (Georgetown, Tex.)**, Vol. 6, Issue 13, pp. 1594-604, (2007) ([PubMed](#)).

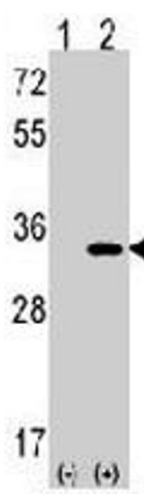
Skoufias, Indorato, Lacroix, Panopoulos, Margolis: "Mitosis persists in the absence of Cdk1 activity when proteolysis or protein phosphatase activity is suppressed." in: **The Journal of cell biology**, Vol. 179, Issue 4, pp. 671-85, (2007) ([PubMed](#)).

Forester, Maddox, Louis, Goris, Virshup: "Control of mitotic exit by PP2A regulation of Cdc25C and Cdk1." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 104, Issue 50, pp. 19867-72, (2007) ([PubMed](#)).



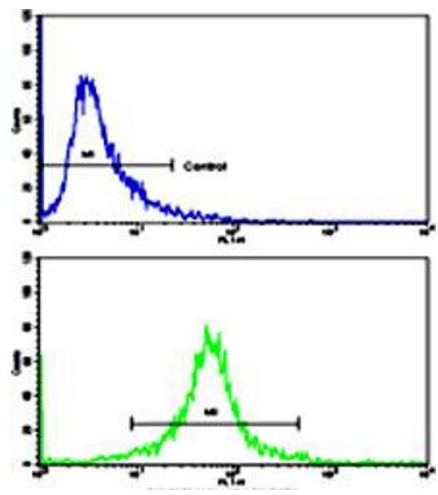
Western Blotting

Image 1. Western blot analysis of CDC2 polyclonal antibody in 293 cell line lysates (35 ug/lane). CDC2 (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).



Western Blotting

Image 2. Western blot analysis of CDC2 (arrow) using rabbit CDC2 polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDC2 gene (Lane 2) (Origene Technologies).



Flow Cytometry

Image 3. Flow cytometric analysis of 293 cells using CDC2 polyclonal antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.