

Datasheet for ABIN6260712
anti-CDK3 antibody (C-Term)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	CDK3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human CDK3, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	CDK3 Antibody detects endogenous levels of total CDK3.
Predicted Reactivity:	Pig,Bovine,Sheep,Rabbit
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	CDK3
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Target Details

Alternative Name:	CDK3 (CDK3 Products)
Background:	<p>Description: Serine/threonine-protein kinase that plays a critical role in the control of the eukaryotic cell cycle, involved in G0-G1 and G1-S cell cycle transitions. Interacts with CCNC/cyclin-C during interphase. Phosphorylates histone H1, ATF1, RB1 and CABLES1. ATF1 phosphorylation triggers ATF1 transactivation and transcriptional activities, and promotes cell proliferation and transformation. CDK3/cyclin-C mediated RB1 phosphorylation is required for G0-G1 transition. Promotes G1-S transition probably by contributing to the activation of E2F1, E2F2 and E2F3 in a RB1-independent manner.</p> <p>Gene: CDK3</p>
Molecular Weight:	35 kDa
Gene ID:	1018
UniProt:	Q00526
Pathways:	Cell Division Cycle

Application Details

Application Notes:	WB 1:1000-3000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

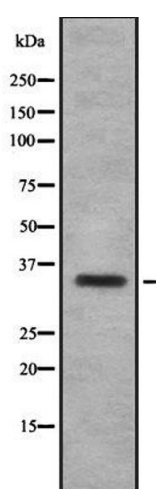
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Publications

- Product cited in:
- Deng, Cheng, Wu, Wang, Zhou, Huang: "Oxabicycloheptene Sulfonate Protects Against β -Amyloid-induced Toxicity by Activation of PI3K/Akt and ERK Signaling Pathways Via GPER1 in C6 Cells." in: **Neurochemical research**, Vol. 42, Issue 8, pp. 2246-2256, (2018) ([PubMed](#)).
- Li, Xiong, Xu, Duan, Yang, Zhou, Tu: "miR-29a regulated ER-positive breast cancer cell growth and invasion and is involved in the insulin signaling pathway." in: **Oncotarget**, Vol. 8, Issue 20, pp. 32566-32575, (2018) ([PubMed](#)).
- Peng, Wu, Deng, Zhou, Song, Yang, Zhang, Xu, Xia, Cai, Liu, Peng: "MiR-377 promotes white adipose tissue inflammation and decreases insulin sensitivity in obesity via suppression of sirtuin-1 (SIRT1)." in: **Oncotarget**, Vol. 8, Issue 41, pp. 70550-70563, (2018) ([PubMed](#)).
- Liu, Huang, Jin, Zhou, Chen, Li, Chen, Li, Yao, Li, Lan, Ye, Wang: "MicroRNA-370 inhibits the growth and metastasis of lung cancer by down-regulating epidermal growth factor receptor expression." in: **Oncotarget**, Vol. 8, Issue 50, pp. 88139-88151, (2018) ([PubMed](#)).
- Zhao, Fu, Sun, Liu: "Ligustrazine suppresses neuron apoptosis via the Bax/Bcl-2 and caspase-3 pathway in PC12 cells and in rats with vascular dementia." in: **IUBMB life**, Vol. 70, Issue 1, pp. 60-70, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of CDK3 using HuvEc whole cell lysates