



Catalog: OM275145

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CDK4 Antibody

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☐ 100ug

Product profile

Product name	CDK4 Antibody
Antibody Type	Primary Antibodies
Product description	Cyclin-dependent kinase activity is regulated by T-loop phosphorylation (Thr172 in the case of CDK4), by the abundance of their cyclin partners, and by association with CDK inhibitors of the Cip/Kip or INK family of proteins . The inactive ternary complex of CDK4/cyclin D and p27 Kip1/Cip1 requires extracellular mitogenic stimuli for the release and degradation of p27, which affects progression through the restriction point and pRb-dependent entry into S-phase . The active complex of CDK4/cyclin D targets the retinoblastoma protein for phosphorylation, allowing the release of E2F transcription factors that activate G1/S-phase gene expression . In HeLa cells, upon UV irradiation, upregulation of p16 INK4A association with CDK4/cyclin D3 leads to a G2 delay, implicating CDK4/cyclin D3 activity in progression through the G2-phase of the cell cycle .1) Hirai, H. et al. (1995) Mol. Cell. Biol. 15, 2672-2681. Sherr, C. J. (1996) Science 274, 1672-1677. Lukas, J. et al. (1996) Mol. Cell. Biol. 16, 6917-6925. Gabrielli, B. G. et al. (1999) J Biol Chem 274, 13961-9.
Immunogen	CDK4 antibody was raised against a peptide sequence around aa.295~299 (L-H-K-D-E) derived from Human CDK4. .

Key Feature

Clonality	Polyclonal
Host Species	Rabbit
Tested Applications	WB
Species Reactivity	Human
Concentration	1 mg/ml
Purification	Affinity purified

Target Information

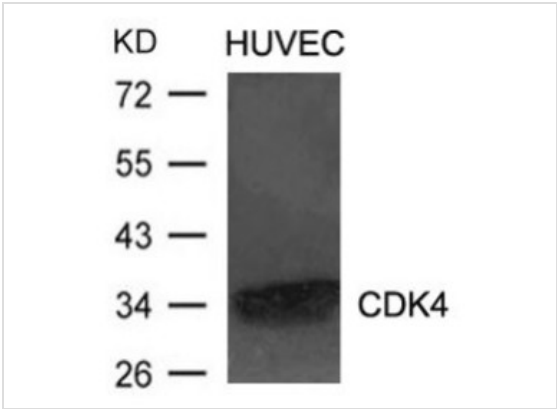
Gene Symbol	CDK4
Alternative Names	CMM3, PSK-J3, PRL3, CMM3

Molecular Weight(MW)	34 kDa
Tissue Specificity	This antibody detects endogenous levels of total CDK4 protein.

Database Links

Entrez Gene	1019
Protein Accession	NP_000066.1

Application



Application
 Western blot analysis of lysed extracts from HUVEC cells using CDK4 Antibody.

Application Notes **Western Blot: 1:500~1:1000:**

Additional Information

Form	Liquid
Storage Instructions	Store antibody at -20°C for up to one year.
Storage Buffer	Antibody supplied in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

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 This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt