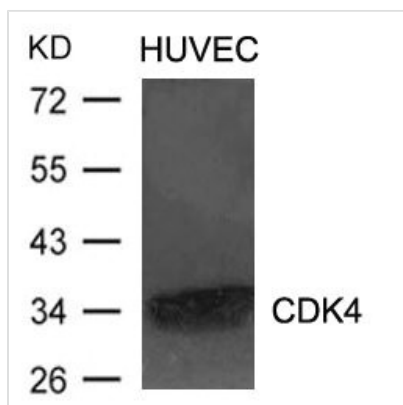




CDK4 Antibody

Product Code	CSB-PA275368
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P11802
Immunogen	Peptide sequence around aa.295~299(L-H-K-D-E)derived from Human CDK4.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total CDK4 protein.
Tested Applications	ELISA,WB,IHC;WB:1:500-1:1000,IHC:1:50-1:200
Relevance	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 . 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. Gabielli, B.G. et al. (1999) J Biol Chem 274, 13961-9.
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Clonality	Polyclonal
Alias	PSK-J3; CMM3; CMM3
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	CDK4
Image	



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



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CDK4 Antibody.