

CDK4 Ab

[References\(3\)](#) [Images\(3\)](#)

Cat.#: AF4034	Concn.: ~1mg/ml	Mol.Wt.: 34kd
Size:	Source: Rabbit	Clonality: Polyclonal

Application: WB 1:500-1:2000
 *The optimal dilutions should be determined by the end user.

Reactivity: Human

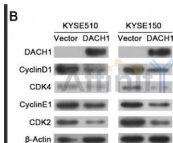
Storage: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human CDK4, corresponding to a region within the internal amino acids.

Uniprot: P11802

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 .



Western blot analysis of extracts from HUVEC cells using CDK4 Ab

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.