

CDK4 (ANT0099R) Rabbit mAb

CatalogNo: ANT8244 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 34kD (Calculated)
 - IgG,Kappa
- 34kD (Observed)

Isotype

Recommended Dilution Ratios

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0099R

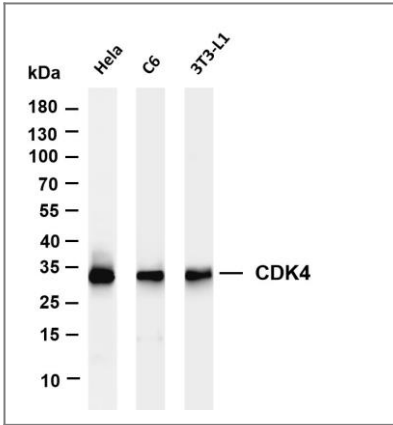
Immunogen Information

Specificity Endogenous

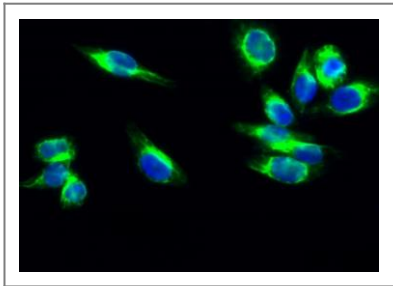
Target Information

Gene name	CDK4		
Protein Name	Cyclin-dependent kinase 4		
	Organism	Gene ID	UniProt ID
	Human	1019;	P11802;
	Mouse	12567;	P30285;
	Rat	94201;	P35426;
Cellular Localization	Cytoplasm, Nucleus		
Tissue specificity	Brain,Muscle,		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Disease:CDK4 mutations are involved in tumor formation.,Disease:Defects in CDK4 are the cause of cutaneous malignant melanoma 3 (CMM3) [MIM:609048, 155600]. Malignant melanoma is a malignant neoplasm of melanocytes, arising de novo or from a preexisting benign nevus, which occurs most often in the skin but also may involve other sites.,enzyme regulation:Phosphorylation at Thr-172 is necessary for enzymatic activity.,Function:Probably involved in the control of the cell cycle.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Forms a stable complex with D-type G1 cyclins. Interacts with SEI1 and ZNF655/VIK.,		

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CDK4 (ANT0099R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: C6 Lane 3: 3T3-L1
Predicted band size: 34kDa
Observed band size: 34kDa



Immunofluorescence analysis of HeLa cell. 1,Cdk4 Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog:RS3211 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.

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