

Cdk4 Rabbit pAb

CatalogNo: YT5198

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IF, WB, IHC, ELISA

MW

- 35kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IF 1:50-200

WB 1:500-1:2000

IHC: 1:100-300

ELISA 1:20000

Not yet tested in other applications

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from the N-terminal region of human CDK4. AA range:1-50

Specificity Cdk4 Polyclonal Antibody detects endogenous levels of Cdk4 protein.

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 . Nucleus membrane . Cytoplasmic when non-complexed. Forms a cyclin D-CDK4 complex in the cytoplasm as cells progress through G (1) phase. The complex accumulates on the nuclear membrane and enters the nucleus on transition from G (1) to S phase. Also present in nucleoli and heterochromatin lumps. Colocalizes with RB1 after release into the 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

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
Cdk4 Rabbit pAb