

CDK6

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW: 36kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human CDK6

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

df

Synonym:

MGC59692; PLSTIRE;

Catalog #: A1545

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1021

Isotype: IgG

Swiss Prot: Q00534

Purity: Affinity purification

For research use only.

Background:

The cyclin-dependent kinases form complexes with their cyclin partners and with CDK inhibitors. CDK6 and CDK4 associate with the D-type cyclins and target the retinoblastoma protein, allowing passage through the G1/S phase restriction point (1). CDK6/cyclin D complexes are sequestered in their inactive form through binding to one of the INK4 CDK inhibitor family members (2,3). Unlike the INK4 family of cdk inhibitors, the CDK inhibitor p21 Waf1/Cip1 may enhance the association of CDK4 and CDK6 with their cyclin D partners (4).

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