

#13331 Store at -20°C

CDK6 (D4S8S) Rabbit mAb**Cell Signaling**
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, W-S, IP, IF-IC	H Mk	Endogenous	36	Rabbit IgG	#Q00534	1021

Product Usage Information**Application**

Western Blotting
Simple Western™
Immunoprecipitation
Immunofluorescence (Immunocytochemistry)

Dilution

1:1000
1:10 - 1:50
1:50
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity / Sensitivity

CDK6 (D4S8S) Rabbit mAb recognizes endogenous levels of total CDK6 protein. This antibody does not cross-react with other CDK proteins.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human CDK6 protein.

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).

Background References

1. Lukas, J. et al. (1996) *Mol Cell Biol* 16, 6917-25.
2. Hirai, H. et al. (1995) *Mol Cell Biol* 15, 2672-81.
3. Pestell, R.G. et al. (1999) *Endocr Rev* 20, 501-34.
4. Flores-Rozas, H. et al. (1994) *Proc Natl Acad Sci U S A* 91, 8655-9.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting **W-S:** Simple Western™ **IP:** Immunoprecipitation
IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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