



## CDKN3 Monoclonal Antibody

CDKN3. AA range:31-80  Specificity CDKN3 Monoclonal Antibody detects endogenous levels of CDKN3 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms CDKN3; CDI1; CIP2; KAP; Cyclin-dependent kinase inhibitor 3; CDK2-associat dual-specificity phosphatase; Cyclin-dependent kinase interactor 1; Cyclin-dependent kinase-interacting protein 2; Kinase-associated phosphatase  Observed Band 23kD  Cell Pathway Cytoplasm, perinuclear region .  Tissue Specificity Retinoblastoma,  catalytic activity: A phosphoprotein + H(2)O = a protein + phosphate, catalytic activity: Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate, disease: Defects in CDKN3 are found in patients with hepatocellular carcinoma (HCC) [MIM:114550], function:May play a role in cell cycle regulation Dual specificity phosphosphorylates CDK2 at Thr-160' in a cyclin-dependent manner, induction:Up-regulated in breast and prostate cancer cells, similarity:Belongs to the protein-tyrosine phosphatase		
Reactivity         Human;Mouse           Applications         WB           Gene Name         CDKN3           Protein Name         Cyclin-dependent kinase inhibitor 3           Immunogen         The antiserum was produced against synthesized peptide derived from human CDKN3. AA range:31-80           Specificity         CDKN3 Monoclonal Antibody detects endogenous levels of CDKN3 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         CDKN3; CDI1; CIP2; KAP; Cyclin-dependent kinase inhibitor 3; CDK2-associat dual-specificity phosphatase; Cyclin-dependent kinase interactor 1; Cyclin-dependent kinase-interacting protein 2; Kinase-associated phosphatase           Observed Band         23kD           Cell Pathway         Cytoplasm, perinuclear region .           Tissue Specificity         Retinoblastoma, catalytic activity: A phosphoprotein + H(2)O = a protein + phosphate, catalytic activity: Protein tyrosine phosphatate + H(2)O = protein tyrosine + phosphatyrosine or phosphatase active toward substrates c	Catalog No	BYmab-16704
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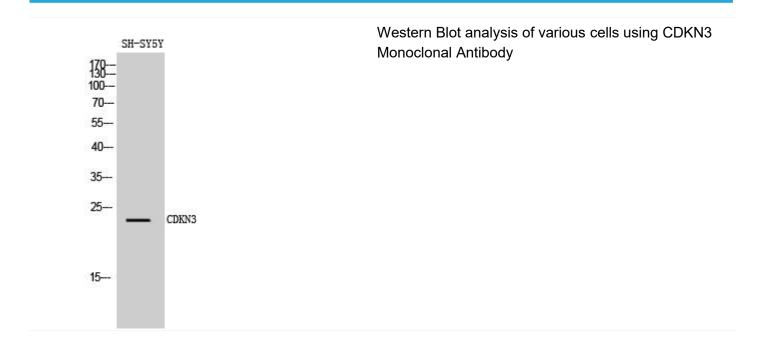


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	CDK3. Does not interact with CDK4. Interacts (via C-terminus) with phosphorylated CDK2 (via C-terminal helix). Interacts with MS4A3 (via C-terminus); the interaction enhances CDKN3 enzymatic activity.,
Background	The protein encoded by this gene belongs to the dual specificity protein phosphatase family. It was identified as a cyclin-dependent kinase inhibitor, and has been shown to interact with, and dephosphorylate CDK2 kinase, thus prevent the activation of CDK2 kinase. This gene was reported to be deleted, mutated, or overexpressed in several kinds of cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



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