

Phospho-mouse p21Cip1(S125) Antibody

Catalog_no :	AB0640
Applications :	WB, IHC-P, FC
Reactivity :	M
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	MOUSE
Specificity :	This mouse p21Cip1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S125 of mouse p21Cip1.
Source :	Rabbit
Dilution :	DB,1:500;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.
Other_name :	Cyclin-dependent kinase inhibitor 1, CDK-interacting protein 1, Melanoma differentiation-associated protein, p21, Cdkn1a, Cip1, Waf1
Isotype :	Rabbit Ig
Background :	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene.
reference :	Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Kim, J., et al. Cytokine 50(1):42-49(2010) Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010) Gumina, M.R., et al. Cell Cycle 9(4):820-828(2010) Radulovich, N., et al. Mol. Cancer 9, 24 (2010)