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[Primary Antibody]

Recombinant Rabbit Anti-CDKN1A Monoclonal Antibody

Catalog Number: SLA0926M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Clone No.:	SB51
GeneID:	1026
SWISS:	P38936
Target:	CDKN1A
Immunogen:	Recombinant Human P21 protein
Purification:	Affinity Purification
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P (1:100-200) IHC-F (1:100-200) IF (1:100-200) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Subcellular Location:	Nucleus
Background:	May be involved in p53/TP53 mediated inhibition of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression. Functions in the nuclear localization and assembly of cyclin D-CDK4 complex and promotes its kinase activity towards RB1. At higher stoichiometric ratios, inhibits the kinase activity of the cyclin D-CDK4 complex.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.