

## Rabbit Anti-CDKN1A Polyclonal Antibody

CPB-1050RH Rabbit(CDKN1A)

Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-CDKN1A Polyclonal Antibody
<b>Antigen Description</b>	May be the important intermediate by which p53 mediates its role as an inhibitor 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.
<b>specificity</b>	The antibody detects endogenous level of total CDKN1A protein.
<b>Target</b>	CDKN1A
<b>Immunogen</b>	Peptide sequence around aa.143~147 (R-Q-T-S-M) derived from Human CDKN1A.
<b>Host</b>	Rabbit
<b>Species</b>	Human
<b>Cross Reactivity</b>	Human
<b>conjugation</b>	N/A
<b>Applications</b>	WB

### PACKAGING

<b>Format</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at -20°C /1 year

### ANTIGEN GENE INFORMATION

<b>Gene Name</b>	<a href="#">CDKN1A cyclin-dependent kinase inhibitor 1A (p21, Cip1) [ Homo sapiens ]</a>
<b>Official Symbol</b>	CDKN1A
<b>Synonyms</b>	CDKN1A; cyclin-dependent kinase inhibitor 1A (p21, Cip1); CDKN1; cyclin-dependent kinase inhibitor 1; CAP20; CIP1; P21; p21CIP1; p21Cip1/Waf1; SDI1; WAF1; DNA synthesis inhibitor; CDK-interacting protein 1; CDK-interaction protein 1; wild-type p53-activated fragment 1; melanoma differentiation associated protein 6; MDA-6;
<b>GeneID</b>	<a href="#">1026</a>
<b>mRNA Refseq</b>	<a href="#">NM_000389</a>
<b>Protein Refseq</b>	<a href="#">NP_000380</a>
<b>MIM</b>	<a href="#">116899</a>
<b>UniProt ID</b>	P38936
<b>Chromosome Location</b>	6p21.1

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<b>Pathway</b>	AKT phosphorylates targets in the cytosol, organism-specific biosystem; AMPK signaling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Bladder cancer, organism-specific biosystem;
<b>Function</b>	cyclin binding; cyclin-dependent protein kinase activating kinase activity; cyclin-dependent protein kinase activity; cyclin-dependent protein kinase activity; cyclin-dependent protein kinase inhibitor activity; kinase activity; metal ion binding; protein binding; protein kinase inhibitor activity;