

Rabbit Anti-CDKN1B Polyclonal Antibody

CPB-1051RH Rabbit(CDKN1B)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-CDKN1B Polyclonal Antibody
Antigen Description	Important regulator of cell cycle progression. Involved in G1 arrest. Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes. Positive regulator of cyclin D-dependent kinases such as CDK4. Regulated by phosphorylation and degradation events.
specificity	The antibody detects endogenous level of total CDKN1B protein.
Target	CDKN1B
Immunogen	Peptide sequence around aa.8~12 (N-G-S-P-S) derived from CDKN1B.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	WB,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1) [Homo sapiens]
Official Symbol	CDKN1B
Synonyms	CDKN1B; cyclin-dependent kinase inhibitor 1B (p27, Kip1); cyclin-dependent kinase inhibitor 1B; KIP1; P27KIP1; MEN4; CDKN4; MEN1B;
GeneID	1027
mRNA Refseq	NM_004064
Protein Refseq	NP_004055
MIM	600778
UniProt ID	P46527
Chromosome Location	12p13.1-p12
Pathway	AKT phosphorylates targets in the cytosol, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem;

Function

cyclin-dependent protein kinase activity; cyclin-dependent protein kinase activity; cyclin-dependent protein kinase inhibitor activity; contributes_to cysteine-type endopeptidase activator activity involved in apoptotic process; kinase activity; protein binding; protein kinase inhibitor activity; protein phosphatase binding; transforming growth factor beta receptor, cytoplasmic mediator activity;