

## Rabbit CDKN1B/p27KIP1 Polyclonal Antibody | anti-CDKN1B/p27KIP1 antibody

[KO Validated] CDKN1B/p27KIP1 Rabbit pAb

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                       |
|-----------|--------|-------------------|------------------------------------|
| AAA281669 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot |

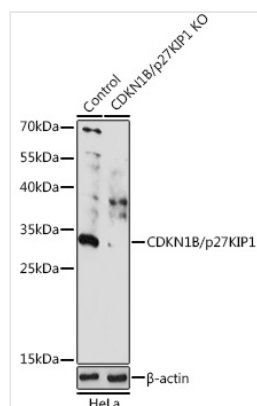
### PRODUCT SYNONYMS

CDKN1B/p27KIP1; Polyclonal Antibody; [KO Validated] CDKN1B/p27KIP1 Rabbit pAb; CDKN1B; CDKN4; KIP1; MEN1B; MEN4; P27KIP1; p27 KIP 1; anti-CDKN1B/p27KIP1 antibody

### PRODUCT SPECIFICATIONS

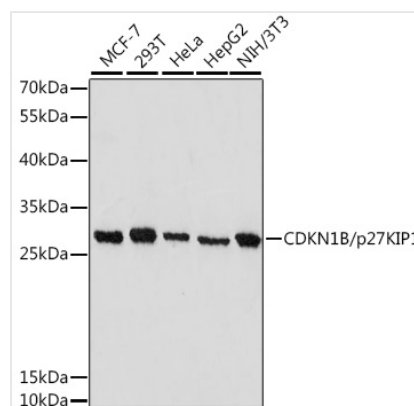
|                                                          |                                                  |
|----------------------------------------------------------|--------------------------------------------------|
| Host                                                     | Rabbit                                           |
| Reactivity                                               | Human, Mouse, Rat                                |
| Clonality                                                | Polyclonal                                       |
| Isotype                                                  | IgG                                              |
| Purity/Purification                                      | Affinity purification                            |
| Form/Format                                              | PBS with 0.05% proclin300,50% glycerol,pH7.3.    |
| Applicable Applications for anti-CDKN1B/p27KIP1 antibody | IHC (Immunohistochemistry), WB (Western Blot)    |
| Immunogen                                                | Recombinant protein of human CDKN1B/p27KIP1      |
| Cellular Location                                        | Cytoplasm, Endosome, Nucleus                     |
| Positive Samples                                         | MCF-7, 293T, HeLa, HepG2, NIH/3T3                |
| Preparation and Storage                                  | Store at -20 degree C. Avoid freeze/thaw cycles. |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from normal (control) and CDKN1B/p27KIP1 Rabbit pAb knockout (KO) HeLa cells, using CDKN1B/p27KIP1 Rabbit pAb antibody (A7814) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CDKN1B/p27KIP1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDKN1B/p27KIP1 antibody | Background: This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. Mutations in this gene are associated with multiple endocrine neoplasia type IV (MEN4). |
| Product Categories/Family for anti-CDKN1B/p27KIP1 antibody   | Epigenetics & Nuclear Signaling; DNA Damage & Repair; Research; Signal Transduction; Kinase; Serine/threonine kinases; Research; Signal Transduction; ErbB-HER Signaling Pathway; Research; Signal Transduction; MAPK-Erk Signaling Pathway; Research; Cell Bio                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 4757962                                          |
| NCBI GeneID                      | 1027                                             |
| NCBI Accession #                 | NP_004055.1                                      |
| NCBI GenBank Nucleotide #        | NM_004064.3                                      |
| UniProt Accession #              | P46527; Q16307; Q5U0H2; Q9BUS6                   |
| Molecular Weight                 | 22,073 Da                                        |
| NCBI Official Full Name          | cyclin-dependent kinase inhibitor 1B             |
| NCBI Official Synonym Full Names | cyclin-dependent kinase inhibitor 1B (p27, Kip1) |
| NCBI Official Symbol             | CDKN1B                                           |
| NCBI Official Synonym Symbols    | KIP1; MEN4; CDKN4; MEN1B; P27KIP1                |
| NCBI Protein Information         | cyclin-dependent kinase inhibitor 1B             |
| UniProt Protein Name             | Cyclin-dependent kinase inhibitor 1B             |
| UniProt Gene Name                | CDKN1B                                           |
| UniProt Synonym Gene Names       | KIP1                                             |
| UniProt Entry Name               | CDN1B_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cdkn1b-p27kip1-antibody-immunohistochemistry-western-blot-elisa/281669>