

## Rabbit CDKN1C Polyclonal Antibody | anti-CDKN1C antibody

CDKN1C Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA326552 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

CDKN1C; Polyclonal Antibody; CDKN1C Antibody; Beckwith Wiedemann syndrome; BWCR; BWS; CDKI; CDKN 1C; CDN1C\_HUMAN; Cyclin dependent kinase inhibitor 1C; Cyclin dependent kinase inhibitor p57; Cyclin-dependent kinase inhibitor 1C; Cyclin-dependent kinase inhibitor p57; KIP 2; KIP2; p57; p57 Kip 2; p57KIP2; WBS; anti-CDKN1C antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                          |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                   |
| Reactivity                                       | Human, Mouse, Rat                                                                                                        |
| Clonality                                        | Polyclonal                                                                                                               |
| Isotype                                          | IgG                                                                                                                      |
| Specificity                                      | CDKN1C antibody detects endogenous levels of total CDKN1C                                                                |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. (Thermo Fisher Scientific) |
| Form/Format                                      | Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                               |
| Concentration                                    | 1 mg/ml (varies by lot)                                                                                                  |
| Sequence Length                                  | 316                                                                                                                      |
| Applicable Applications for anti-CDKN1C antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                        |
| Immunogen                                        | A synthetic peptide derived from human p57 Kip2, corresponding to a region within C-terminal amino acids                 |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                                        |

### IMAGES



#### IHC (Immunohistochemistry)

AAA326552 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### WB (Western Blot)

Western blot analysis of extracts of HeLa, using CDKN1C antibody. The lane on the left is treated with the antigen-specific peptide.



#### IF (Immunofluorescence)

AAA326552 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

### ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDKN1C antibody | p27 Kip1 is a member of the Cip/Kip family of cyclin-dependent kinase inhibitors. Like its relatives, p57 Kip2 and p21 Waf1/Cip1, the ability to enforce the G1 restriction point is derived from its inhibitory binding to CDK2/cyclin E and other CDK/cyclin complexes. Expression levels of p27 are upregulated in quiescent cells and in cells treated with cAMP or other negative cell cycle regulators. Downregulation of p27 can be induced by treatment with interleukin-2 or other mitogens; this involves phosphorylation of p27 and its degradation by the ubiquitin-proteasome pathway (1-4).p57 Kip2 (Cyclin-dependent kinase inhibitor 1C) functions as a tumor suppressor. |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 4557441                                        |
| NCBI GeneID                      | 1028                                           |
| NCBI Accession #                 | NP_000067.1                                    |
| NCBI GenBank Nucleotide #        | NM_000076.2                                    |
| UniProt Accession #              | P49918                                         |
| Molecular Weight                 | 32 kDa                                         |
| NCBI Official Full Name          | cyclin-dependent kinase inhibitor 1C isoform a |
| NCBI Official Synonym Full Names | cyclin dependent kinase inhibitor 1C           |
| NCBI Official Symbol             | CDKN1C                                         |
| NCBI Official Synonym Symbols    | BWS; WBS; p57; BWCR; KIP2; p57Kip2             |
| NCBI Protein Information         | cyclin-dependent kinase inhibitor 1C           |
| UniProt Protein Name             | Cyclin-dependent kinase inhibitor 1C           |
| UniProt Gene Name                | CDKN1C                                         |
| UniProt Synonym Gene Names       | KIP2                                           |

**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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