

## Rabbit CDKN2B Polyclonal Antibody | anti-CDKN2B antibody

CDKN2B antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                      | APPLICATIONS |
|-----------|--------|-------------------------------------------------|--------------|
| AAA201683 | Rabbit | Human, Dog, Guinea Pig, Mouse, Pig, Rabbit, Rat | Western Blot |

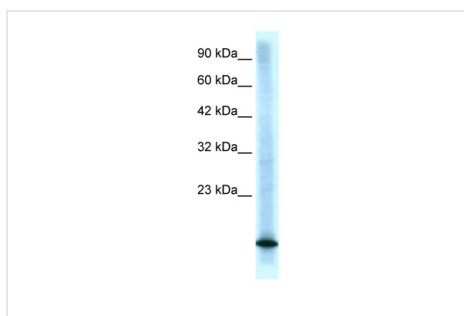
### PRODUCT SYNONYMS

CDKN2B; Polyclonal Antibody; CDKN2B antibody - middle region; anti-CDKN2B antibody

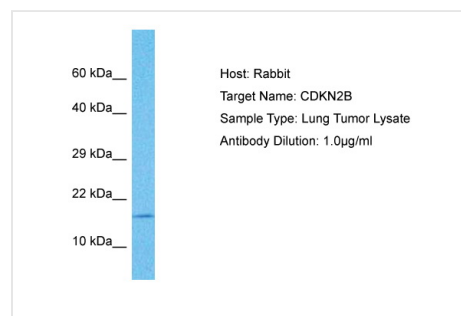
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Human, Dog, Guinea Pig, Mouse, Pig, Rabbit, Rat                                                                                                       |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                         | Synthetic peptide with the following region: RE GFLDTLVVLH RAGARLDVRD AWGRLPVDLA EERGHRDVAG YLRTATGD                                                  |
| Sequence Length                                  | 138                                                                                                                                                   |
| Applicable Applications for anti-CDKN2B antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                         | Dog: 91%; Guinea Pig: 83%; Mouse: 83%; Pig: 100%; Rabbit: 91%; Rat: 83%                                                                               |
| Immunogen                                        | The immunogen is a synthetic peptide directed towards the middle region of human CDKN2B                                                               |
| Preparation and Storage                          | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-CDKN2B Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate


**WB (Western Blot)**

Host: Rabbit Target Name: CDKN2B Sample Tissue: Human Lung Tumor Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDKN2B antibody | <p>This is a rabbit polyclonal antibody against CDKN2B. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: CDKN2B's gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. CDKN2B is a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition.</p> |
| Product Categories/Family for anti-CDKN2B antibody   | Polyclonal; Cell Cycle Proteins; Signal Transduction; Meiosis/Mitosis/Cell Cycle; Phosphorylation; Cell Differentiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 17981694                                        |
| NCBI GeneID                      | 1030                                            |
| NCBI Accession #                 | NP_004927                                       |
| NCBI GenBank Nucleotide #        | NM_004936                                       |
| UniProt Accession #              | P42772                                          |
| Molecular Weight                 | 15kDa                                           |
| NCBI Official Full Name          | cyclin-dependent kinase 4 inhibitor B isoform 1 |
| NCBI Official Synonym Full Names | cyclin dependent kinase inhibitor 2B            |
| NCBI Official Symbol             | CDKN2B                                          |
| NCBI Official Synonym Symbols    | P15; MTS2; TP15; CDK4I; INK4B; p15INK4b         |
| NCBI Protein Information         | cyclin-dependent kinase 4 inhibitor B           |
| UniProt Protein Name             | Cyclin-dependent kinase 4 inhibitor B           |
| UniProt Gene Name                | CDKN2B                                          |
| UniProt Synonym Gene Names       | MTS2; MTS-2; p15INK4B                           |
| UniProt Entry Name               | CDN2B_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.