

## Rabbit p18INK4C Polyclonal Antibody | anti-p18INK4C antibody

Rabbit anti p18INK4C Polyclonal Antibody

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| CATALOG #<br><b>AAA71306</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA</b> |
|------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

p18INK4C; Polyclonal Antibody; Rabbit anti p18INK4C Polyclonal Antibody; Cyclin-dependent kinase inhibitor 2C; CDKN2C; P18; P18INK4C; anti-p18INK4C antibody

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                                                                                                      |
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| Host                                               | Rabbit                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                                         | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                    |
| Clonality                                          | Polyclonal                                                                                                                                                                                                                                                                                                                                           |
| Isotype                                            | IgG                                                                                                                                                                                                                                                                                                                                                  |
| Specificity                                        | This antibody recognizes p18INK4C protein. It crossreacts to human, mouse and rat. Others are not tested.                                                                                                                                                                                                                                            |
| Purity/Purification                                | Purified by Epitope Affinity Purification                                                                                                                                                                                                                                                                                                            |
| Form/Format                                        | Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-p18INK4C antibody | WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                                       |
| Antigen Preparation                                | A synthetic peptide corresponding to the C-terminus of Mouse p18 <sup>INK4G</sup> . This sequence is identical to human, rat and mouse.                                                                                                                                                                                                              |
| Positive Control                                   | 3T3, Hela                                                                                                                                                                                                                                                                                                                                            |
| Cellular Location                                  | Nuclear                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage                            | The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C - 8 degree C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles. Optimal dilutions should be determined by researchers for the specific applications. |

### IMAGES



#### IHC (Immunohistochemistry)

Formalin-Fixed Paraffin Embedded (FFPE) 313 cell pellet was stained with Rabbit Anti-p18INK4C antibody at 1 :200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

ADDITIONAL INFORMATION

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| Related Product Information for anti-p18INK4C antibody | <p>Background:</p> <p>Cyclin-dependent kinases (CDKs) are activated in part by forming complexes with cyclins. For example, CDK4 and CDK6 associate with the D-type cyclins ,md phosphorylate the retinoblastoma protein. This phosphorylation is a necessary event for cells to enter S-phase. The inhibitors of CDK4 (INK4) family include p15INK4B, p16 INK4A, p18INK4C and p19INK4D. p18 has been shown to function as a aploinsufficient tumor suppressor in vivo. All INK4 proteins are composed of 32 amino acid ankyrin motifs and selectively inhibit CDK4/6 activity. Mutational analyses of p18 implicate the third and the aminoterminal portion of the fourth ankyrin repeat in mediating binding to CDK4/6. The interaction of INK4 family members can be a binary complex with CDK4/6 or ternary complex with cyclin D-bound CDK4/6 and ultimately results in the inhibition of cell cycle progression. The gene encoding p15INK4B is often silenced by hypermethylation in acute myeloid leukemia and deleted in acute lymphocytic leukemia.</p> |
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NCBI AND UNIPROT INFORMATION

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| NCBI GeneID      | 1031    |
| Molecular Weight | ~15 kDa |

**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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