



## Rabbit anti p18INK4C Polyclonal Antibody

Alternative Name(s): Cyclin-dependent kinase inhibitor 2C; CDKN2C; P18; P18INK4C

### Order Information

- **Description:** p18/INK4C
- **Catalogue:** 500-13744
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

### ANTIGEN PREPARATION

Synthetic peptide YGRNEVVSLMQANGAGG derived from human p18/INK4c.

### BACKGROUND

P18/INK4c is a member of the INK4 family of cyclin-dependent kinase inhibitors. It interacts with CDK4 or CDK6, and prevent the activation of the CDK kinases, it is a cell growth regulator that controls cell cycle G1 progression. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis.

### PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

### FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### SPECIFICITY

This antibody reacts with p18/INK4C of human, mice and rat

### STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### APPLICATIONS/SUGGESTED WORKING DILUTIONS\*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 170.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

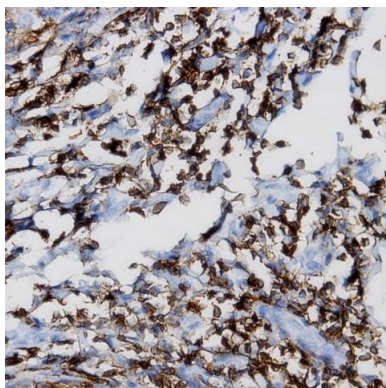
\*Optimal dilutions should be determined by researchers for the specific applications.

### FOR RESEARCH USE ONLY.

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## DATA ATTACHMENTS



Immunohistochemistry: Human lymph node (FFPE) stained with Rabbit anti-p18/INK4c (Cat# 500-13744) 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.

## REFERENCES

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