

## CDKN2A/p16INK4a Rabbit pAb

db177

Package : 20μL 50μL 100μL

**Product Name** : CDKN2A/p16INK4a Rabbit pAb**Cat.No.:** db177**Synonyms** : ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; MTS-1; P14ARF; P19ARF; P16INK4; P16INK4A; P16-INK4A**Application** : WB, IHC, FC, IP**Reactivity** : Human**Host species** : Rabbit**Background**

This gene generates several transcript variants which differ in their first exons. At least three alternatively spliced variants encoding distinct proteins have been reported, two of which encode structurally related isoforms known to function as inhibitors of CDK4 kinase. The remaining transcript includes an alternate first exon located 20 Kb upstream of the remainder of the gene; this transcript contains an alternate open reading frame (ARF) that specifies a protein which is structurally unrelated to the products of the other variants. This ARF product functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, the E3 ubiquitin-protein ligase MDM2, a protein responsible for the degradation of p53. In spite of the structural and functional differences, the CDK inhibitor isoforms and the ARF product encoded by this gene, through the regulatory roles of CDK4 and p53 in cell cycle G1 progression, share a common functionality in cell cycle G1 control. This gene is frequently mutated or deleted in a wide variety of tumors, and is known to be an important tumor suppressor gene. [provided by RefSeq, Sep 2012]

**Immunogen**

A synthetic peptide of human CDKN2A/p16INK4a

**Gene ID**

1029

**Swiss Prot**

P42771

**Synonyms**

ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; MTS-1; P14ARF; P19ARF; P16INK4; P16INK4A; P16-INK4A

**Reactivity**

Human

**Application**

WB, IHC, FC, IP

**Recommended dilution**

WB: 1:1000

IHC: 1:100

FC: 1:50

IP: 1:20

**Calculated MW**

17 kDa

|                          |   |
|--------------------------|---|
| <b>Observed MW</b>       | 17 kDa  |
| <b>Host species</b>      | Rabbit  |
| <b>Clonality</b>         | Polyclonal  |
| <b>Isotype</b>           | IgG   |
| <b>Purity</b>            | Affinity Purification   |
| <b>Conjugation</b>       | Un-conjugated   |
| <b>Storage Stability</b> | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |