



## CDKN2A/p16INK4a (DGR32332) Rabbit mAb

db13880 Package: 10µL 20µL 50µL 100µL

Product Name: CDKN2A/p16INK4a (DGR32332) Rabbit mAb

Cat.No.: db13880

Synonyms: ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; MTS-1; P14ARF;

P19ARF; P16INK4; P16INK4A; P16-INK4A

Application: WB, FC, IP Reactivity: Human, Mouse 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** Recombinant protein 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, Mouse

WB, FC, IP **Application** 

Recommended dilution WB: 1:1000

> FC: 1:100 IP: 1:50

Calculated MW 17 kDa





Observed MW 17 kDa

Host species Rabbit

**Clonality** Monoclonal

Clonality No. DGR32332

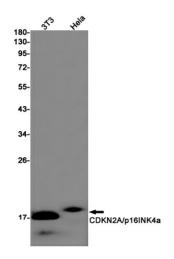
**Isotype** IgG

**Purity** Affinity Purification

Conjugation Un-conjugated

Storage Stability 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.



Western blot detection of CDKN2A/p16INK4a in 3T3,Hela cell lysates using CDKN2A/p16INK4a antibody(1:1000 diluted).