Recombinant DGRmAb®

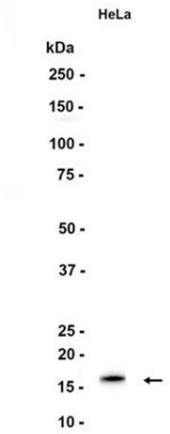
CDKN2A/p16INK4a (DGR11288) Rabbit mAb (PBS Only)

db11660-PBS **Package : 10μg 100μg**

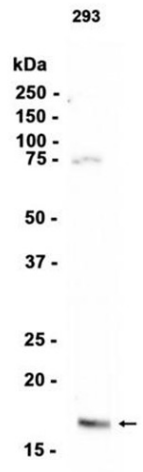
Product Name : CDKN2A/p16INK4a (DGR11288) Rabbit mAb (PBS Only)
Cat.No.: db11660-PBS
Synonyms : ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; MTS-1; P14ARF; P19ARF; P16INK4; P16INK4A; P16-INK4A
Application : WB, IHC-P, FC, IP
Reactivity : Human
Host species : Rabbit

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-P, FC, IP
Calculated MW	17 kDa
Observed MW	17 kDa
Host species	Rabbit

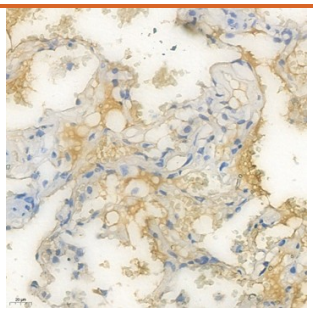
Clonality	Monoclonal
Clonality No.	DGR11288
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



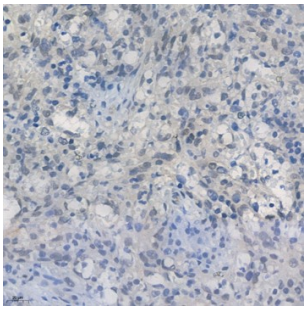
Western blot analysis of extracts from HeLa cells using db11660 at 1:1000.



Western blot analysis of extracts from 293 cells using db11660 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue labeling CDKN2A/p16INK4a with db11660. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue labeling CDKN2A/p16INK4a with db11660. Counter stained with Hematoxylin.