Recombinant DGRmAb®

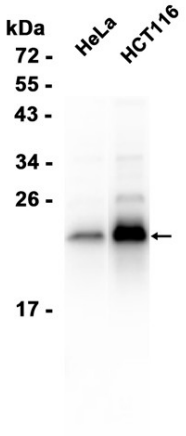
p21 (DGR11273) Rabbit mAb

db16031 **Package : 10μL 20μL 50μL 100μL**

Product Name : p21 (DGR11273) Rabbit mAb
Cat.No.: db16031
Synonyms : P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

Background	This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-cyclin-dependent kinase2 or -cyclin-dependent kinase4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen, a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of cyclin-dependent kinase2, and may be instrumental in the execution of apoptosis following caspase activation. Mice that lack this gene have the ability to regenerate damaged or missing tissue. Multiple alternatively spliced variants have been found for this gene. [provided by RefSeq, Sep 2015]
Immunogen	A synthetic peptide of human p21
Gene ID	1026
Swiss Prot	P38936
Synonyms	P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100-1:200 ICC/IF: 1:500-1:1000 FC: 1:100 IP: 1:10-1:100
Calculated MW	18 kDa

Observed MW	21 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11273
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 analysis of extracts from HeLa, HCT116 cells using db16031 at 1:1000.