Recombinant DGRmAb®

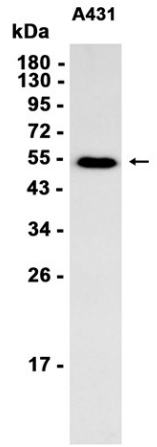
p53 (DGR13917) Rabbit mAb (PBS Only)

db11669-PBS **Package : 10μg 100μg**

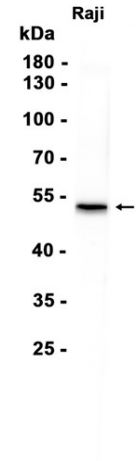
Product Name : p53 (DGR13917) Rabbit mAb (PBS Only)
Cat.No.: db11669-PBS
Synonyms : P53; BCC7; LFS1; TRP53
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

Background	This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mice deficient for this gene are developmentally normal but are susceptible to spontaneous tumors. Evidence to date shows that this gene contains one promoter, in contrast to alternative promoters of the human gene, and transcribes a few of splice variants which encode different isoforms, although the biological validity or the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human p53
Gene ID	7157
Swiss Prot	P04637
Synonyms	P53; BCC7; LFS1; TRP53
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	44 kDa
Observed MW	53 kDa
Host species	Rabbit
Clonality	Monoclonal

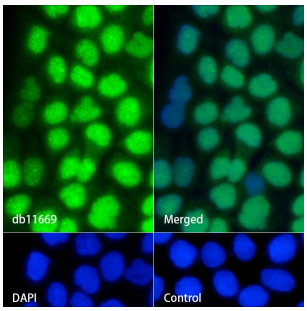
Clonality No.	DGR13917
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from A431 cells using db11669 at 1:1000.



Western blot analysis of extracts from Raji cells using db11669 at 1:1000.



Immunofluorescence analysis of A431 cells labelling p53 with db11669.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11669 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.