Recombinant DGRmAb®

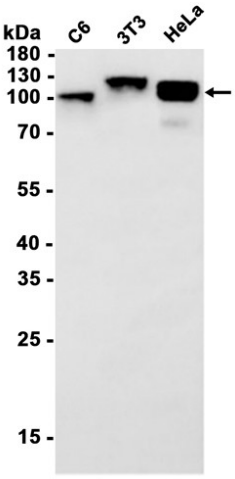
SIRT1 (DGR18233) Rabbit mAb

db14034 **Package : 10μL 20μL 50μL 100μL**

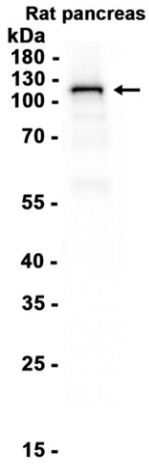
Product Name : SIRT1 (DGR18233) Rabbit mAb
Cat.No.: db14034
Synonyms : SIR2; SIR2L1; SIR2alpha
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]
Immunogen	Recombinant protein of human SIRT1
Gene ID	23411
Swiss Prot	Q923E4
Synonyms	SIR2; SIR2L1; SIR2alpha
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000 IHC-P: 1:200-1:500 ICC/IF: 1:100 FC: 1:50-1:100 IP: 1:20-1:50
Calculated MW	82 kDa
Observed MW	120 kDa
Host species	Rabbit
Clonality	Monoclonal

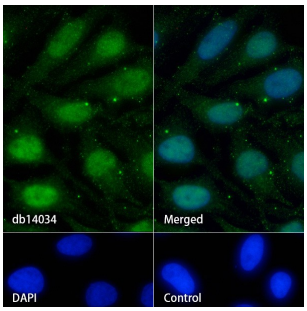
Clonality No.	DGR18233
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from C6, 3T3, HeLa cells using db14034 at 1:1000.



Western blot analysis of extracts from Rat pancreas tissue using db14034 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling SIRT1 with db14034.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 db14034 (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.