

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 dilutionWB: 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

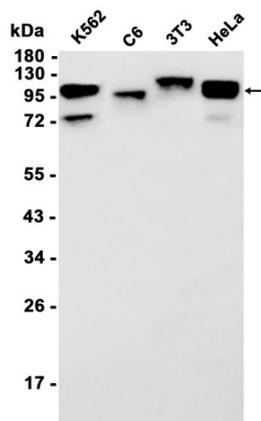
Rabbit

Clonality

Monoclonal

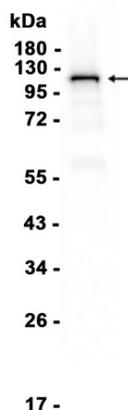
Clonality No.	DGR18233
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Western blot analysis of extracts from K562, C6, 3T3, HeLa cells using db14034 at 1:1000.

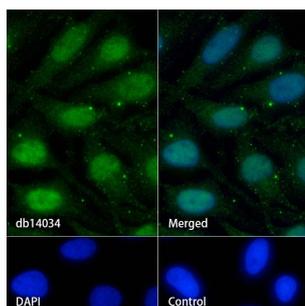


Western blot analysis of extracts from Rat pancreas tissue using db14034 at 1:1000.

Rat pancreas



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.

