

Recombinant

DGRmAb®

SIRT1 (DGR13955) Rabbit mAb (PBS Only)

db15473-PBS

Package : 10µg 100µg

Product Name : SIRT1 (DGR13955) Rabbit mAb (PBS Only)**Cat.No.:** db15473-PBS**Synonyms** : SIR2; SIR2L1; SIR2alpha**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human**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

A synthetic peptide of human SIRT1

Gene ID

23411

Swiss Prot

Q96EB6

Synonyms

SIR2; SIR2L1; SIR2alpha

Reactivity

Human

Application

WB, IHC-P, ICC/IF, FC, IP

Calculated MW

82 kDa

Observed MW

120 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR13955

Isotype

IgG

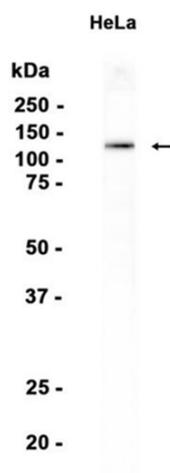
Purity

Affinity Purification

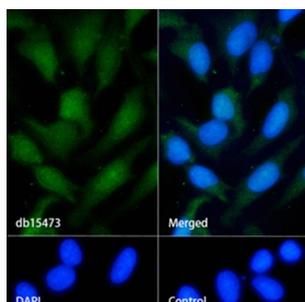
Conjugation

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 db15473 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling SIRT1 with db15473.

The cells were fixed with cold 100% methanol (10min, 4°C) 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 db15473 (1:200) 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.