

A19667

Leader in Biomolecular Solutions for Life Science



[KO Validated] SIRT1 Rabbit mAb

Catalog No.: A19667

KO Validated

Recombinant

9 Publications

Basic Information

Observed MW

120kDa

Calculated MW

82kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Human

CloneNo number

ARC0146

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.

Recommended Dilutions

WB 1:100 - 1:500

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

23411

Swiss Prot

Q96EB6

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 648-747 of human SIRT1 (Q96EB6).

Synonyms

SIR2; SIR2L1; SIR2alpha; T1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

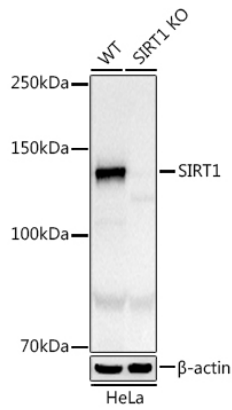
Affinity purification

Storage

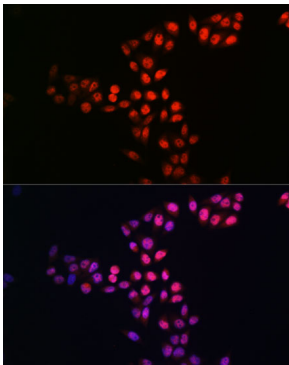
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts from wild type (WT) and SIRT1 knockout (KO) HeLa cells, using SIRT1 antibody (A19667) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.



Immunofluorescence analysis of HeLa cells using SIRT1 antibody (A19667). Blue: DAPI for nuclear staining.