

A22409

Leader in Biomolecular Solutions for Life Science



[KO Validated] SIRT3 Rabbit mAb

Catalog No.: A22409

KO Validated

Recombinant

Basic Information

Observed MW

28kDa

Calculated MW

44kDa

Category

Monoclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human

Clone number

ARC51535

Background

SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control.

Recommended Dilutions

WB 1:1000 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

23410

Swiss Prot

Q9NTG7

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

SIR2L3; T3

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

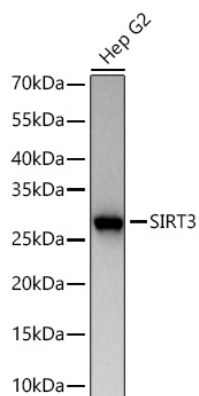
Purification

Affinity purification

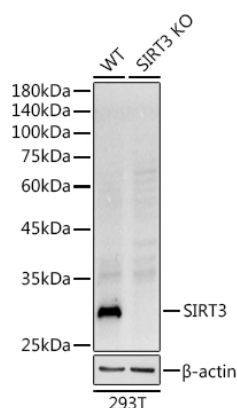
Storage

Store at -20°C

Validation Data



Western blot analysis of lysates from Hep G2 cells using [KO Validated] SIRT3 Rabbit mAb (A22409) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Western blot analysis of lysates from wild type (WT) and SIRT3 knockout (KO) 293T cells, using [KO Validated] SIRT3 Rabbit mAb (A22409) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 60s.