A7307

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

SIRT3 Rabbit pAb

Catalog No.: A7307 16 Publications

Basic Information

Observed MW
28 kDa

Calculated MW
44 kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity
Human,Mouse,Rat

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	1:500 - 1:2000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
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
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
SIR2L3; SIRT3

Product Information

Source
Rabbit

Isotype
IgG

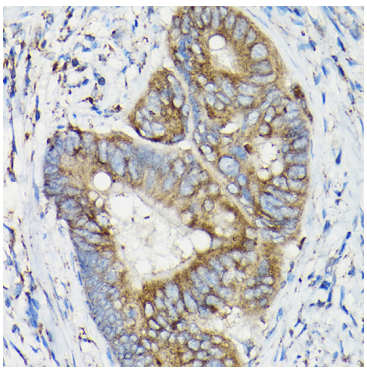
Purification
Affinity purification

Storage
Store at -20℃

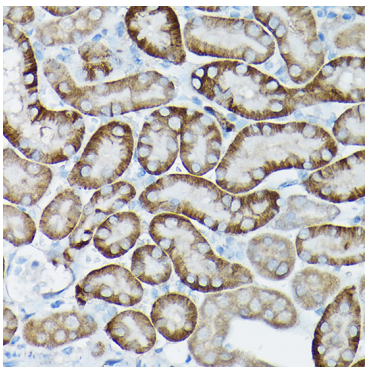
Contact

www.abclonal.com

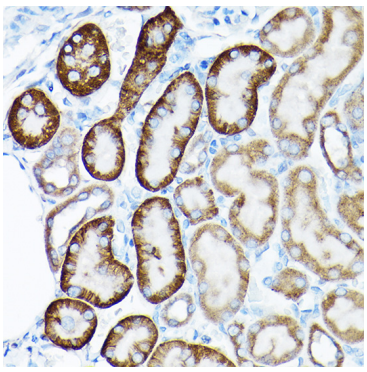
Validation Data



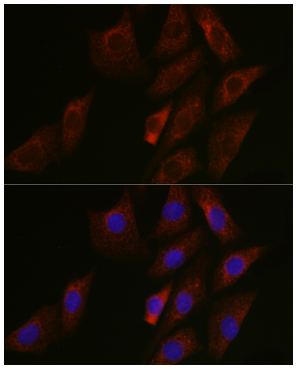
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using SIRT3 Rabbit pAb (A7307) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using SIRT3 Rabbit pAb (A7307) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using SIRT3 Rabbit pAb (A7307) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of NIH/3T3 cells using SIRT3 Rabbit pAb (A7307) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.