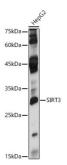
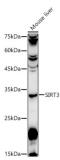


## NAD-Dependent Protein Deacetylase Sirtuin-3, Mitochondrial (SIRT3) Antibody

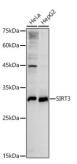
Catalogue No.:abx004372



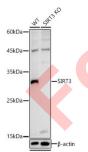
Western blot analysis of lysates from Mouse liver, using [KO Validated] SIRT3 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.



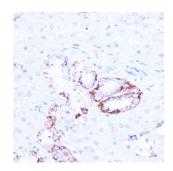
Western blot analysis of various lysates using [KO Validated] SIRT3 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 10s.



Western blot analysis of lysates from wild type(WT) and SIRT3 knockout (KO) 293T cells, using [KO Validated] SIRT3 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using [KO Validated] SIRT3 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.

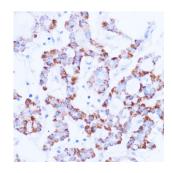


Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer using [KO Validated] SIRT3 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.

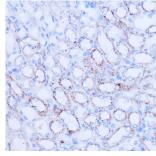
## **Datasheet**

Version: 6.0.0 Revision date: 25 Oct 2025





Immunohistochemistry analysis of paraffin-embedded Mouse kidney using [KO Validated] SIRT3 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of NIH/3T3 cells using SIRT3 Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

SIRT3 Antibody is a Rabbit Polyclonal antibody against SIRT3. 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. Two alternatively spliced transcript variants that encode different proteins have been described for this gene.

Target: NAD-Dependent Protein Deacetylase Sirtuin-3, Mitochondrial (SIRT3)

Research Area: Signal Transduction

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IHC, IF/ICC

Host: Rabbit

 $\textbf{Recommended dilutions:} \ \, \text{ELISA:} \ \, 1 \ \mu\text{g/ml, WB:} \ \, 1/500 \ \, - \ \, 1/1000, \ \, \text{IHC-P:} \ \, 1/20 \ \, - \ \, 1/50, \ \, \text{IF/ICC:} \ \, 1/50 \ \, - \ \, 1/200. \ \, \text{Not tested in IHC-F.}$ 

Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

**Immunogen:** Synthetic peptide corresponding to SIRT3. The exact sequence is proprietary.

Isotype: IgG

## **Datasheet**

Version: 6.0.0 Revision date: 25 Oct 2025



Form: Liquid

**Purification:** Purified by affinity chromatography.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: Q9NTG7 (<u>UniProt</u>, <u>ExPASy</u>)

Gene Symbol: SIRT3

GeneID: <u>23410</u>

NCBI Accession: NP\_036371.1

String: <u>9606.ENSP00000372191</u>

Molecular Weight: Calculated MW: 44 kDa

Observed MW: 28 kDa

**Buffer:** PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

**Concentration:** > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC,

THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL

CONSUMPTION.

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