

Datasheet for ABIN7270324

**anti-SIRT3 antibody**

5 Images

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## Overview

Quantity:	100 µL
Target:	SIRT3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SIRT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Purpose:	[KO Validated] SIRT3 Rabbit mAb
Immunogen:	Recombinant protein of human SIRT3.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

## Target Details

Target:	SIRT3
Alternative Name:	SIRT3 ( <a href="#">SIRT3 Products</a> )

## Target Details

**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. Two alternatively spliced transcript variants that encode different proteins have been described for this gene.,SIRT3,SIR2L3,sirtuin 3,Epigenetics & Nuclear Signaling,SIRT3

**Molecular Weight:** 28kDa/43kDa

**Gene ID:** 23410

**UniProt:** [Q9NTG7](#)

## Application Details

**Application Notes:** WB,1:500 - 1:2000,IHC,1:50 - 1:200

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

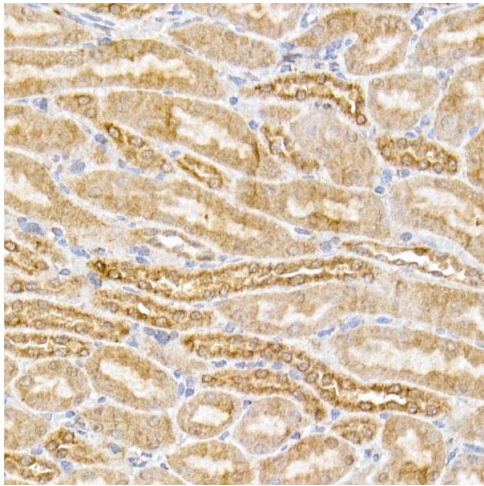
**Buffer:** PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

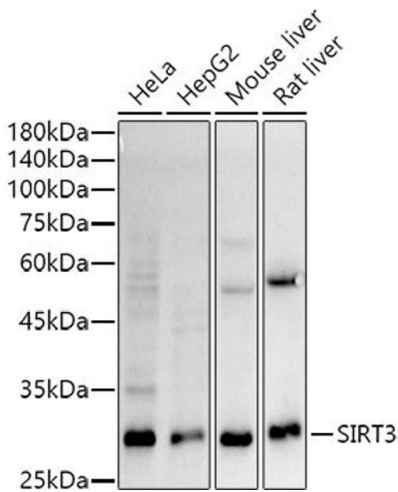
**Storage:** -20 °C

**Storage Comment:** Store at -20°C. Avoid freeze / thaw cycles.



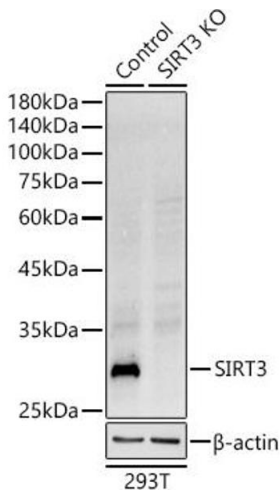
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse kidney using [KO Validated] SIRT3 Rabbit mAb (ABIN7270324) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using SIRT3 antibody (ABIN7270324) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.



### Western Blotting

**Image 3.** Western blot analysis of extracts from wild type (WT) and SIRT3 knockout (KO) 293T cells, using SIRT3 antibody (ABIN7270324) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7270324.