

# SIRT7 Rabbit pAb

Catalog No.: A0979 **1 Publications**

## Basic Information

**Catalog No.**

A0979

**Observed MW**

45KDa

**Calculated MW**

20kDa/35kDa/44kDa

**Category**

Primary antibody

**Applications**

WB, IF

**Cross-Reactivity**

Human, Mouse, Rat

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IF</b>	1:50 - 1:200

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## 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 IV of the sirtuin family.

## Immunogen Information

**Gene ID**

51547

**Swiss Prot**

Q9NRC8

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 201-400 of human SIRT7 (NP\_057622.1).

**Synonyms**

SIRT7;SIR2L7;sirtuin 7

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

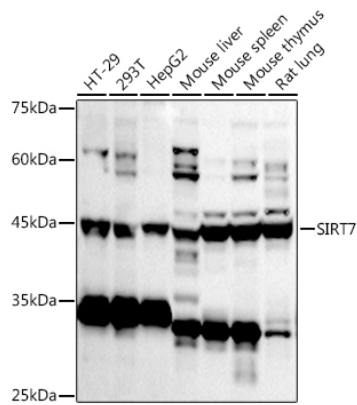
**Storage**

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

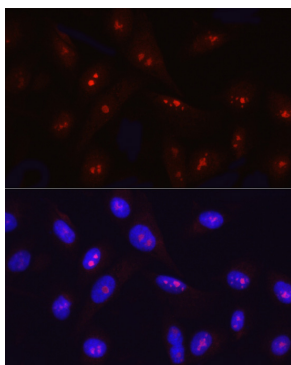
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using SIRT7 antibody (A0979) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunofluorescence analysis of U2OS cells using SIRT7 Rabbit pAb (A0979) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.