

# SIRT7 Rabbit Polyclonal Antibody



CAB0979

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

45kDa

### Calculated MW:

20kDa/35kDa/44kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Protein 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

### Uniprot

Q9NRC8

### Synonyms:

SIRT7; SIR2L7; sirtuin 7

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

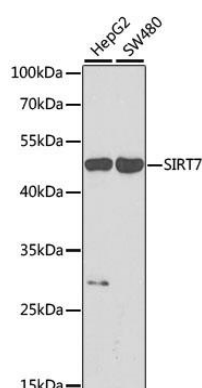
Recombinant fusion protein containing a sequence corresponding to amino acids 201-400 of human SIRT7 (NP\_057622.1).

### Storage:

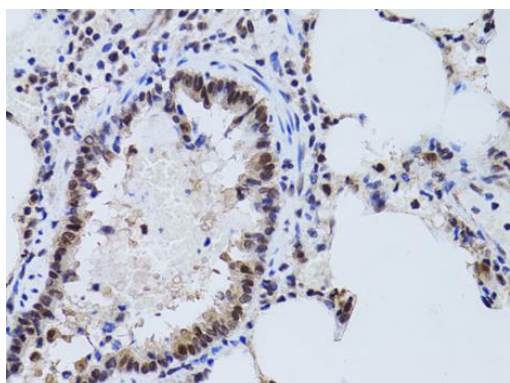
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

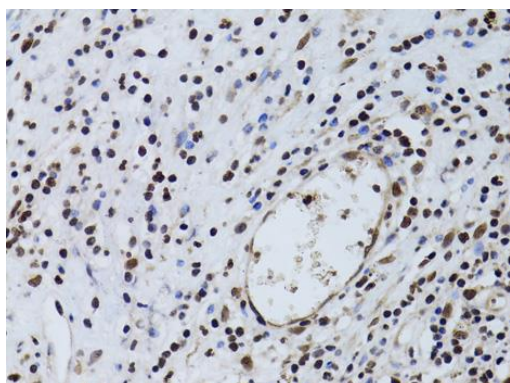
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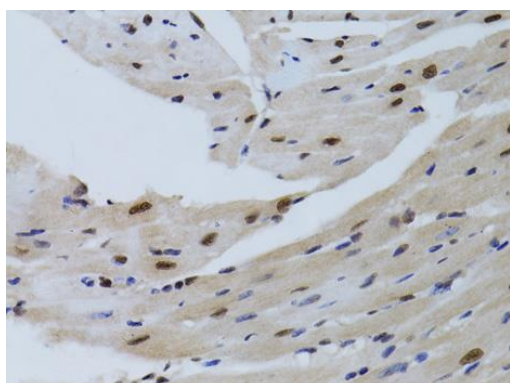
Western blot analysis of extracts of various cell lines, using SIRT7 antibody (CAB0979) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded rat lung using SIRT7 antibody (CAB0979) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human vermiform appendix using SIRT7 antibody (CAB0979) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using SIRT7 antibody (CAB0979) at dilution of 1:100 (40x lens).