

For Research Use Only

# SIRT7 Recombinant antibody, PBS Only

Catalog Number: 84805-4-PBS



## Basic Information

Catalog Number:

84805-4-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31794

GenBank Accession Number:

NM\_016538

GeneID (NCBI):

51547

UNIPROT ID:

Q9NRC8

Full Name:

sirtuin (silent mating type  
information regulation 2 homolog) 7  
(*S. cerevisiae*)

Calculated MW:

45KD

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

242167C9

## Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

human, rat

## Background Information

SIRT7 (NAD-dependent deacetylase sirtuin-7), also known as SIR2L7, is a member of the class IV sirtuin family and is localized to the nucleolus. Expressed throughout the body, SIRT7 associates with rDNA genes where it interacts with histones and acts as a positive regulator of RNA polymerase I (Pol I). SIRT7 is a probable NAD-dependent deacetylase whose expression is upregulated in thyroid carcinoma cells. Overexpression of SIRT7 increases Pol I-mediated transcription, thereby speeding cell growth and contributing to the development of cancer.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

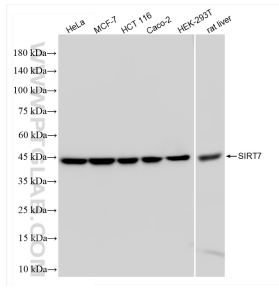
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

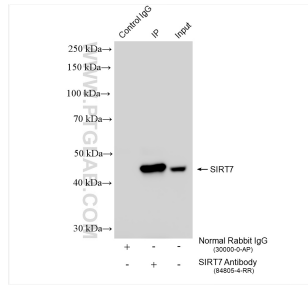
W: [ptgcn.com](http://ptgcn.com)

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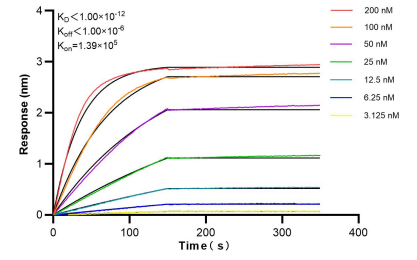
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84805-4-RR (SIRT7 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84805-4-PBS in a different storage buffer formulation.



IP result of anti-SIRT7 (IP:84805-4-RR, 4 $\mu$ g; Detection:84805-4-RR 1:2000) with HEK-293T cells lysate 2200  $\mu$ g. This data was developed using the same antibody clone with 84805-4-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84805-4-RR against Human SIRT7 were performed. The affinity constant is below 1 pM.