

For Research Use Only

SIRT7 Recombinant antibody, PBS Only

Catalog Number: 84805-4-PBS



Basic Information

Catalog Number:

84805-4-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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, IHC, 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.

Storage Buffer:

PBS Only

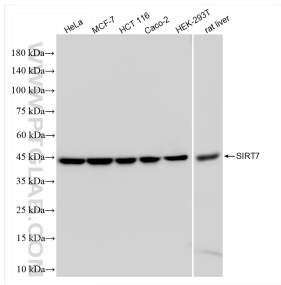
For technical support and original validation data for this product please contact:

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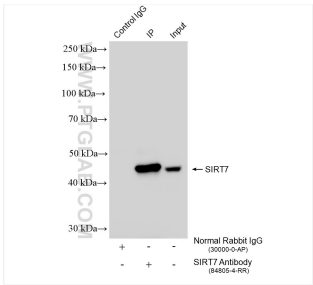
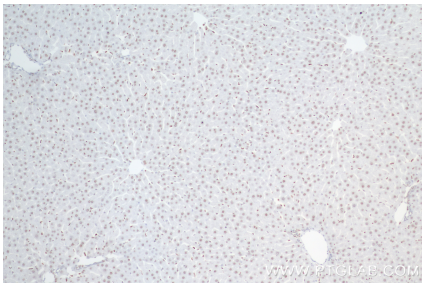
E: proteintech@ptglab.com
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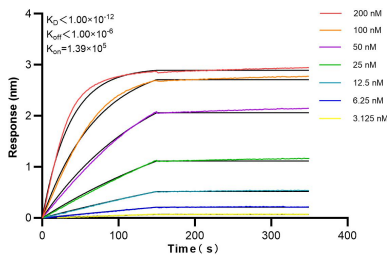
Selected Validation Data



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, 4ug; Detection:84805-4-RR 1:2000) with HEK-293T cells lysate 2200 ug. This data was developed using the same antibody clone with 84805-4-PBS in a different storage buffer formulation.



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