

For Research Use Only

SIRT7 Polyclonal antibody, PBS Only

Catalog Number: 12994-1-PBS

Featured Product



Basic Information

Catalog Number:

12994-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3656

GenBank Accession Number:

BC017305

GeneID (NCBI):

51547

UNIPROT ID:

Q9NRC8

Full Name:

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

Calculated MW:

400 aa, 45 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, 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:

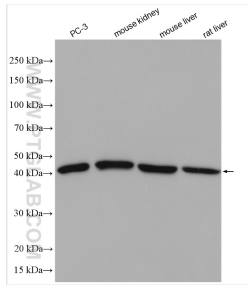
T: 4006900926

E: Proteintech-CN@ptglab.com

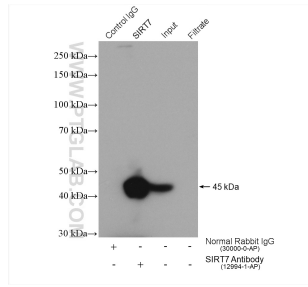
W: ptgcn.com

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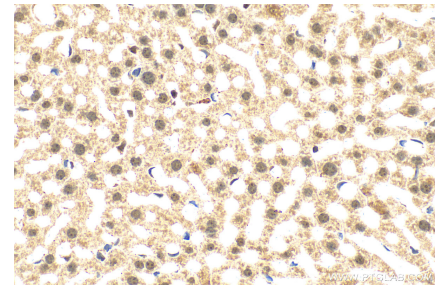
Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 12994-1-AP (SIRT7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12994-1-PBS in a different storage buffer formulation.



IP result of anti-SIRT7 (IP:12994-1-AP, 4ug; Detection:12994-1-AP 1:1000) with PC-3 cells lysate 960 ug. This data was developed using the same antibody clone with 12994-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 12994-1-AP (SIRT7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12994-1-PBS in a different storage buffer formulation.