

For Research Use Only

SIRT7 Recombinant antibody, PBS Only

Catalog Number: 84805-4-PBS



Basic Information

Catalog Number: 84805-4-PBS	GenBank Accession Number: NM_016538	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 51547	CloneNo.: 242167C9
Source: Rabbit	UNIPROT ID: Q9NRC8	
Isotype: IgG	Full Name: sirtuin (silent mating type information regulation 2 homolog) 7 (S. cerevisiae)	
Immunogen Catalog Number: AG31794	Calculated MW: 45KD	
	Observed MW: 45 kDa	

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.
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:

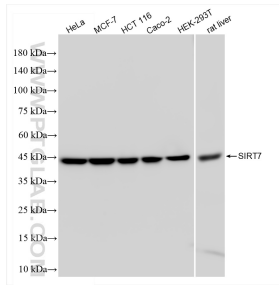
T: 4006900926

E: Proteintech-CN@ptglab.com

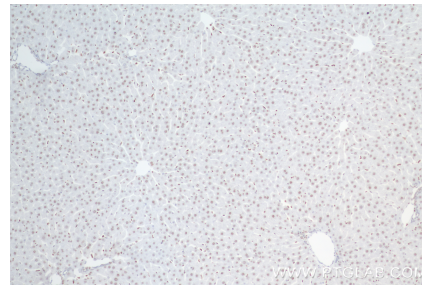
W: ptgcn.com

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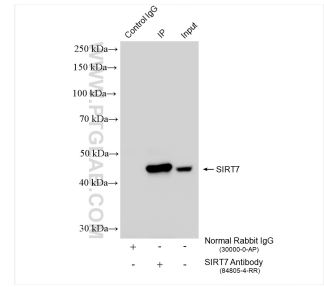
Selected Validation Data



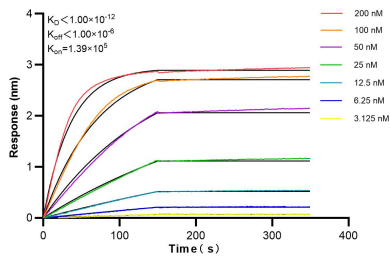
Various lysates were subjected to SDS PAGE followed by western blot with 84805-4-RR (SIRT7 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84805-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 84805-4-RR (SIRT7 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). 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.