

For Research Use Only

SIRT6 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87677-3-PBS



Basic Information

Catalog Number: 87677-3-PBS	GenBank Accession Number: BC028220	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 51548	CloneNo.: 253025G5
Isotype: IgG	UNIPROT ID: Q8N6T7	
Immunogen Catalog Number: AG4469	Full Name: sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae)	
	Calculated MW: 39 kDa	
	Observed MW: 37-45 kDa	

Applications

Tested Applications:
WB, IHC, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

SIRT6, also named as SIR2L6, belongs to the sirtuin family. It is known to deacetylate H3K9, H3K56 and CtIP in vivo. SIRT6 regulates the expression of a large number of stress-responsive and metabolism related genes, promotes genomic stability and stimulates base excision and double strand break DNA repair(PMID: 20729089). By maintaining both the integrity and the expression of the mammalian genome, SIRT6 thus serves several roles that parallel Sir2 function(PMID: 20729089). In addition, Sirt6-deficient animals develop normally for several weeks after birth, but succumb to an acute multi-organ degenerative syndrome that is uniformly lethal by one month of age(PMID: 19135889).

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, pH7.3

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

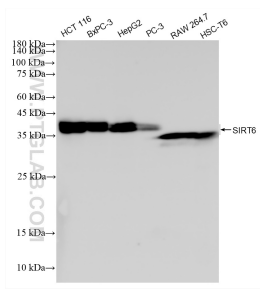
T: 4006900926

E: Proteintech-CN@ptglab.com

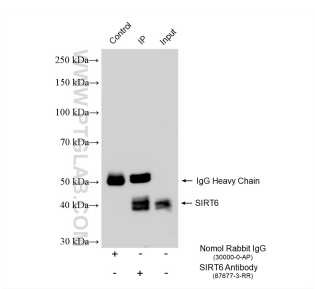
W: ptgcn.com

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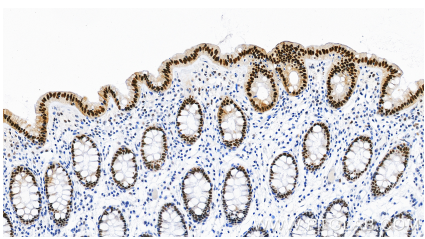
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87677-3-RR (SIRT6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87677-3-PBS in a different storage buffer formulation.



IP result of anti-SIRT6 (IP:87677-3-RR, 4ug; Detection:87677-3-RR 1:2000) with HeLa cells lysate 920 ug. This data was developed using the same antibody clone with 87677-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 87677-3-RR (SIRT6 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87677-3-PBS in a different storage buffer formulation.