

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 51548	CloneNo.: 253025G5
Source: Rabbit	UNIPROT ID: Q8N6T7	
Isotype: IgG	Full Name: sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae)	
Immunogen Catalog Number: AG4469	Calculated MW: 39 kDa	
	Observed MW: 37-45 kDa	

Applications

Tested Applications:
WB, 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

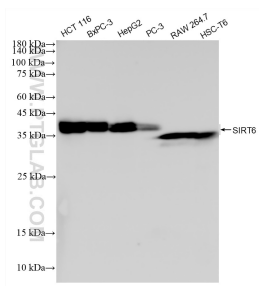
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

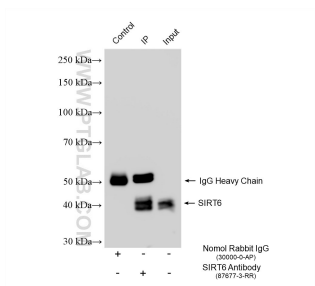
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

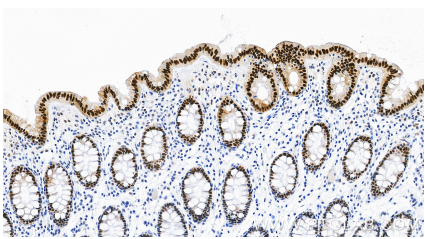
Selected Validation Data



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.