

For Research Use Only

SIRT6 Monoclonal antibody

Catalog Number: 67510-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number:

67510-1-Ig

GenBank Accession Number:

BC028220

Purification Method:

Protein G purification

Size:

150ul, Concentration: 2200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

51548

CloneNo.:

2H4G8

Source:

Mouse

UNIPROT ID:

Q8N6T7

Recommended Dilutions:

WB 1:2000-1:10000

Isotype:

IgG1

Full Name:

sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae)

Immunogen Catalog Number:

AG24103

Calculated MW:

39 kDa

Observed MW:

40 kDa

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

WB: JAR cells, Jurkat cells, NCCIT cells, LNCaP cells, HeLa cells, K-562 cells, HL-60 cells.

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Wenxing Cui	33314534	Cell Prolif	WB
Xiaoxia Xiao	37582706	Mol Med	IF, WB, CoIP
Tianqi Cui	37599957	ACS Omega	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

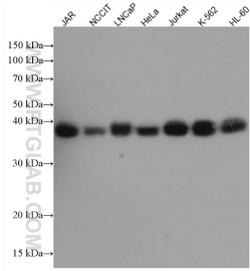
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

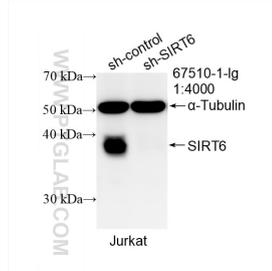
E: proteintech@ptglab.com
W: ptglab.com

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 67510-1-Ig (SIRT6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of SIRT6 antibody (67510-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SIRT6 transfected Jurkat cells.