

For Research Use Only

SIRT6 Polyclonal antibody

Catalog Number: 13572-1-AP

Featured Product

54 Publications



Basic Information

Catalog Number:

13572-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4469

GenBank Accession Number:

BC028220

GeneID (NCBI):

51548

UNIPROT ID:

Q8N6T7

Full Name:

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

Calculated MW:

39 kDa

Observed MW:

39-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total
protein lysate

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, bovine

Positive Controls:

WB : BxPC-3 cells, HeLa cells, HepG2 cells, PC-3 cells

IP : BxPC-3 cells,

IHC : mouse testis tissue,

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

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). This antibody is a rabbit polyclonal antibody raised against full length human SIRT6 antigen.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong Zhang	32970960	Can J Physiol Pharmacol	WB
Xiaodan Sun	31572453	Front Genet	IHC
Kalaiselvi Sivalingam	34716387	Sci Rep	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

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

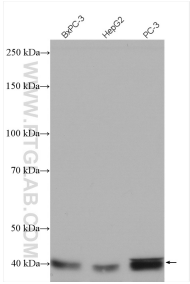
T: 4006900926

E: Proteintech-CN@ptglab.com

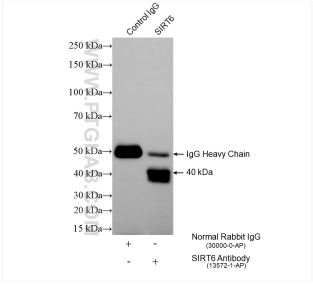
W: ptgcn.com

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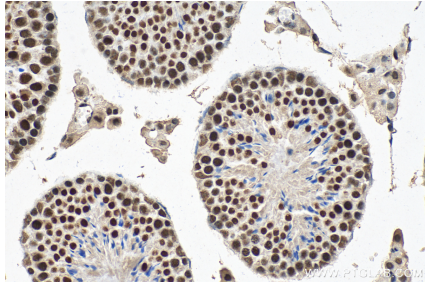
Selected Validation Data



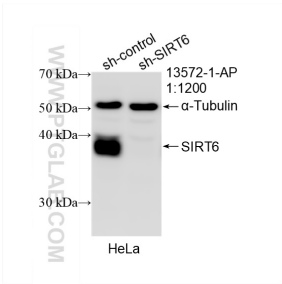
Various lysates were subjected to SDS PAGE followed by western blot with 13572-1-AP (SIRT6 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-SIRT6 (IP:13572-1-AP, 4ug; Detection:13572-1-AP 1:2000) with BxPC-3 cells lysate 2080 ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13572-1-AP (SIRT6 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of SIRT6 antibody (13572-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-SIRT6 transfected HeLa cells.