

SIRT6 (phospho S338) polyclonal antibody

Catalog # PAB15926 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of SIRT6.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S338 of human SIRT6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — SIRT6

Entrez GeneID	51548
Gene Name	SIRT6

Gene Alias	SIR2L6
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae)
Omim ID	606211
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-riboseyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin family. [provided by RefSeq]
Other Designations	sir2-related protein type 6 sirtuin 6 sirtuin type 6

Publication Reference

- [MDM2-mediated degradation of SIRT6 phosphorylated by AKT1 promotes tumorigenesis and trastuzumab resistance in breast cancer.](#)

Thirumurthi U, Shen J, Xia W, LaBaff AM, Wei Y, Li CW, Chang WC, Chen CH, Lin HK, Yu D, Hung MC.

Science Signaling 2014 Jul; 7(336):ra71.

Application: WB-Ce, WB-Tr, Human, MDA-MB-231 cells

- [SIRT6 links histone H3 lysine 9 deacetylation to NF-kappaB-dependent gene expression and organismal life span.](#)

Kawahara TL, Michishita E, Adler AS, Damian M, Berber E, Lin M, McCord RA, Ongaigui KC, Boxer LD, Chang HY, Chua KF.

Cell 2009 Jan; 136(1):62.

- [No SIRT6.](#)

Lall S.

Nature Structural & Molecular Biology 2008 Apr; 15(4):336.

- [Regulation of SIRT6 protein levels by nutrient availability.](#)

Kanfi Y, Shalman R, Peshti V, Pilosof SN, Gozlan YM, Pearson KJ, Lerrer B, Moazed D, Marine JC, de Cabo R, Cohen HY.

FEBS Letters 2008 Mar; 582(5):543.