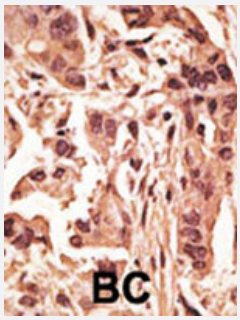
SIRT6 polyclonal antibody

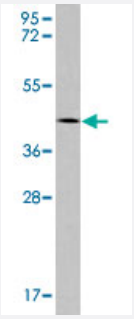
Catalog # PAB1985 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with SIRT6 polyclonal antibody (Cat # PAB1985) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blot (Tissue lysate)

Western blot analysis of mouse stomach tissue lysate (35 ug/lane) with SIRT6 polyclonal antibody (Cat # PAB1985).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SIRT6.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human SIRT6.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

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Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with SIRT6 polyclonal antibody (Cat # PAB1985) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Western Blot (Tissue lysate)

  Western blot analysis of mouse stomach tissue lysate (35 ug/lane) with SIRT6 polyclonal antibody (Cat # PAB1985).

Gene Info — SIRT6

Entrez GeneID	51548
Protein Accession#	NP_057623;Q8N6T7
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 cla sses. The functions of human sirtuins have not yet been determined; however, yeast sirtuin protein s 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-ri bosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin fa mily. [provided by RefSeq

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Other Designations	sir2-related protein type 6|sirtuin 6|sirtuin type 6

Publication Reference

- Complete sequencing and characterization of 21,243 full-length human cDNAs.

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  Nature Genetics 2003 Dec; 36(1):40.

- Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.

  Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shenmen CM, Schuler GD, Altschul SF, Zeeberg B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Hsieh F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TE, Brownstein MJ, Usdin TB, Toshiyuki S, Carninci P, Prange C, Raha SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA,

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- Phylogenetic classification of prokaryotic and eukaryotic Sir2-like proteins.

  Frye RA.

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