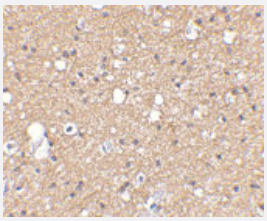
SIRT2 polyclonal antibody

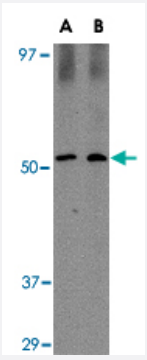
Catalog # PAB13339 Size 100 ug

Applications



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

Immunohistochemical staining of human brain tissue using SIRT2 polyclonal antibody (Cat # PAB13339) at 2.5 ug/mL .



Western Blot (Tissue lysate)

Western blot analysis of SIRT2 in Mouse brain tissue lysate with SIRT2 polyclonal antibody (Cat # PAB13339) at (A) 1 and (B) 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SIRT2.
Immunogen	A synthetic peptide corresponding to C-terminus 19 amino acids of human SIRT2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°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)

  Immunohistochemical staining of human brain tissue using SIRT2 polyclonal antibody (Cat # PAB13339) at 2.5 ug/mL .

- Western Blot (Tissue lysate)

  Western blot analysis of SIRT2 in Mouse brain tissue lysate with SIRT2 polyclonal antibody (Cat # PAB13339) at (A) 1 and (B) 2 ug/mL .

Gene Info — SIRT2

Entrez GeneID	22933
Protein Accession#	NP_036369
Gene Name	SIRT2
Gene Alias	SIR2, SIR2L, SIR2L2
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 2 (S. cerevisiae)
Omim ID	604480
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 I of the sirtuin famil y. Two transcript variants result from alternative splicing of this gene. [provided by RefSeq
Other Designations	silencing information regulator 2-like|silent information regulator 2|sir2-related protein type 2|sirtui n 2|sirtuin type 2

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Publication Reference

- Screening of organoids derived from patients with breast cancer implicates the repressor NCOR2 in cytotoxic stress response and antitumor immunity.

  Kelvin K Tsai, Shenq-Shyang Huang, Jason J Northey, Wen-Ying Liao, Chung-Chi Hsu, Li-Hsin Cheng, Michael E Werner, Chih-Pin Chuu, Chandrima Chatterjee, Jonathon N Lakins, Valerie M Weaver

  Nat Cancer 2022 6; 3(6):734-752.

- The molecular biology of mammalian SIRT proteins: SIRT2 in cell cycle regulation.

  Inoue T, Hiratsuka M, Osaki M, Oshimura M.

  Cell Cycle 2007 May; 6(9):1011.

  Application: IF, IP, WB-Tr, Human, Mammalian cells

- The human Sir2 ortholog, SIRT2, is an NAD+-dependent tubulin deacetylase.

  North BJ, Marshall BL, Borra MT, Denu JM, Verdin E.

  Molecular Cell 2003 Feb; 11(2):437.

  Application: IF, WB-Tr, Human, Fibroblasts, HEK 293T cells

- Characterization of five human cDNAs with homology to the yeast SIR2 gene: Sir2-like proteins (sirtuins) metabolize NAD and may have protein ADP-ribosyltransferase activity.

  Frye RA.

  Biochemical and Biophysical Research Communications 1999 Jun; 260(1):273.

Copyright © 2023 Abnova Corporation. All Rights Reserved.