Datasheet for ABIN2779604

anti-SIRT2 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	SIRT2
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Rabbit, Cow, Dog, Guinea Pig, Pig, Saccharomyces cerevisiae, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SIRT2
Sequence:	MAEPDPSHPL ETQAGKVQEA QDSDSDSEGG AAGGEADMDF LRNLFSQTLS
Predicted Reactivity:	Cow: 92%, Dog: 82%, Guinea Pig: 85%, Horse: 92%, Human: 100%, Mouse: 92%, Pig: 92%, Rabbit: 100%, Rat: 77%, Yeast: 79%
Characteristics:	This is a rabbit polyclonal antibody against SIRT2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SIRT2

Target Details

Alternative Name:	SIRT2 (SIRT2 Products)
Background:	SIRT2 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-ribosyltransferase activity. The protein encoded by SIRT2 is included in class I of the sirtuin family. Alias Symbols: SIR2, SIR2L, SIR2L2 Protein Interaction Partner: ACLY, SIRT1, UBC, ING1, EP300, CBLB, CBL, XPO1, CDC20, FZR1, RUNX3, PCK1, FOXO1, HDAC6, tat, RBP1, HIST1H3A, NUDT21, PAPOLA, DNAJB8, DNAJB6, SP140, KAT2B, CDC14B, KAT2A, TUBA4A, HOXA10, TUBB, KRT78, RTN4, PHB2, SPOP, ELL, SARS, GYS1, Protein Size: 389
Molecular Weight:	43 kDa
Gene ID:	22933
NCBI Accession:	NM_012237, NP_036369
UniProt:	Q8IXJ6

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 389 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Nishimura, Mitne-Neto, Silva, Oliveira, Vainzof, Zatz: "A novel locus for late onset amyotrophic lateral sclerosis/motor neurone disease variant at 20q13." in: **Journal of medical genetics**, Vol. 41, Issue 4, pp. 315-20, (2004) (PubMed).

Images

Western Blotting

Image 1. WB Suggested Anti-SIRT2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human brain