

Datasheet for ABIN2779604  
**anti-SIRT2 antibody (N-Term)**



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1 Image

1 Publication

## Overview

Quantity:	100 µL
Target:	SIRT2
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Rabbit, Dog, Guinea Pig, Cow, Pig, Horse, Saccharomyces cerevisiae
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
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## Target Details

Alternative Name:	SIRT2 ( <a href="#">SIRT2 Products</a> )
Background:	<p>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.</p> <p>Alias Symbols: SIR2, SIR2L, SIR2L2</p> <p>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,</p> <p>Protein Size: 389</p>
Molecular Weight:	43 kDa
Gene ID:	22933
NCBI Accession:	<a href="#">NM_012237</a> , <a href="#">NP_036369</a>
UniProt:	<a href="#">Q8IXJ6</a>

## 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:	Benavente, Schnell, Jacobson: "Effects of niacin restriction on sirtuin and PARP responses to photodamage in human skin." in: <b>PLoS ONE</b> , Vol. 7, Issue 7, pp. e42276, (2012) ( <a href="#">PubMed</a> ).
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## Images



**Western Blotting**

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