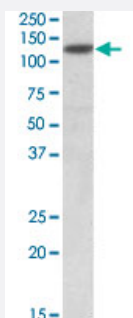


# SIRT1 polyclonal antibody

Catalog # PAB19664

Size 100 ug

## Applications



### Western Blot (Cell lysate)

SIRT1 polyclonal antibody (Cat # PAB19664) (0.05 ug/mL) staining of Jurkat lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of SIRT1.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 577-590 at internal region of human SIRT1.
<b>Sequence</b>	C-EKPQEVQTSRNVES
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	81.7
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody is expected to recognize both reported isoforms (NP_036370.2; NP_001135970.1).
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Recommend Usage</b>	ELISA (1:64000) Western Blot (0.05-0.2 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

**Storage Instruction**

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

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — SIRT1

**Entrez GeneID**[23411](#)**Protein Accession#**[NP\\_036370.2;NP\\_001135970.1](#)**Gene Name**

SIRT1

**Gene Alias**

SIR2L1

**Gene Description**

sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)

**Omim ID**[604479](#)**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-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

**Other Designations**

OTTHUMP00000019691|OTTHUMP00000060745|SIR2alpha|sir2-like 1|sirtuin 1|sirtuin type 1

## Disease

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