

Datasheet: VPA00294

**BATCH NUMBER 160415**

<b>Description:</b>	RABBIT ANTI SIRT1
<b>Specificity:</b>	SIRT1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Rabbit polyclonal antibody purified by affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

**Immunogen** KLH-conjugated synthetic peptide corresponding to aa 587-621 of human SIRT1

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**External Database**

**Links**

**UniProt:**

[Q96EB6](#) [Related reagents](#)

**Entrez Gene:**

[23411](#) SIRT1 [Related reagents](#)

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**Synonyms**

SIR2L1

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**Specificity**

**Rabbit anti Human SIRT1 antibody** recognizes SIRT1, also known as NAD-dependent deacetylase sirtuin-1, SIR2-like protein 1, SIR2alpha, hSIR2, hSIRT1, regulatory protein SIR2 homolog 1 and sirtuin type 1.

The SIRT1 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. Human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity ([Carafa et al. 2016](#)). The protein encoded by SIRT1 is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants (provided by RefSeq, Dec 2008).

Rabbit anti Human SIRT1 antibody detects a band of 120 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti SIRT1 detects a band of approximately 120 kDa in NIH/3T3 cell lysate

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00294>  
Antibody (10040)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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