

Datasheet: VPA00294

Description:	RABBIT ANTI SIRT1
Specificity:	SIRT1
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
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 ₃)
Immunogen	KLH-conjugated synthetic peptide corresponding to aa 587-621 of human SIRT1
External Database Links	UniProt: Q96EB6 Related reagents Entrez Gene: 23411 SIRT1 Related reagents
Synonyms	SIR2L1

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. 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 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.

Western Blotting

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

Instructions For Use

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Storage

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

Shelf Life

As supplied, 12 months from date of despatch

Acknowledgements

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Health And Safety Information

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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