

## ARG63826 anti-SIRT3 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes SIRT3
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_036371.1 and NP_001017524.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	SIRT3
Species	Human
Immunogen	C-QRETGKLDGPKD
Conjugation	Un-conjugated
Alternate Names	NAD-dependent protein deacetylase sirtuin-3, mitochondrial; SIR2L3; hSIRT3; EC 3.5.1.-; Regulatory protein SIR2 homolog 3; SIR2-like protein 3

### Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.3 µg/ml

**Application Note**  
WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformatics

### Database links

[GeneID: 23410 Human](#)

[Swiss-port # Q9NTG7 Human](#)

### Background

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. Two alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq, Jul 2008]

### Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody

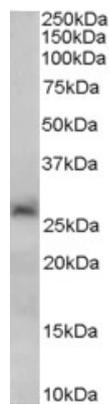
### Calculated Mw

44 kDa

### PTM

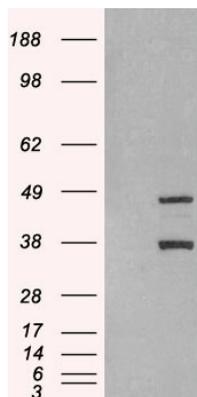
Processed by mitochondrial processing peptidase (MPP) to give a 28 kDa product. Such processing is probably essential for its enzymatic activity.

## Images



ARG63826 anti-SIRT3 antibody WB image

Western Blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG63826 anti-SIRT3 antibody at 0.2 µg/ml dilution.



ARG63826 anti-SIRT3 antibody WB image

Western Blot: 1). Mock transfection; 2) SIRT3 (RC200190) expressing plasmid transfected HEK293 cell lysate stained with ARG63826 anti-SIRT3 antibody