

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 ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
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.

Bioinformation

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

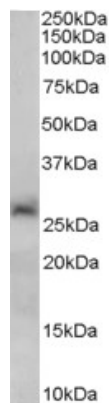
Calculated Mw

44 kDa

PTM

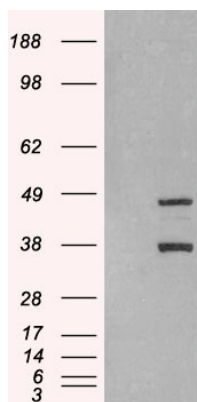
Processed by mitochondrial processing peptidase (MPP) to give a 28 kDa product. Such processing is probably essential for its enzymatic activity.

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