

Rabbit NAD-dependent protein deacetylase sirtuin-3, mitochondrial Polyclonal Antibody | anti-SIRT3 antibody

Anti-SIRT3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46086	Rabbit	Human, Rat. No cross reactivity with other proteins.	Western Blot

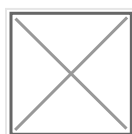
PRODUCT SYNONYMS

NAD-dependent protein deacetylase sirtuin-3; mitochondrial; Polyclonal Antibody; Anti-SIRT3 Antibody; hSIRT 3 antibody; hSIRT3 antibody; Mitochondrial nicotinamide adenine dinucleotide dependent deacetylase antibody; NAD dependent deacetylase sirtuin 3 mitochondrial antibody; mitochondrial antibody; Regulatory protein SIR2 homolog 3 antibody; Silent mating type information regulation 2 S.cerevisiae homolog 3 antibody; Sir 2 like 3 antibody; SIR 2 like protein 3 antibody; SIR 3 antibody; SIR2 L3 antibody; Sir2 like 3 antibody; SIR2 like protein 3 antibody; SIR2-like protein 3 antibody; SIR2L3 antibody; SIR3_HUMAN antibody; SIRT 3 antibody; SIRT3 antibody; Sirtuin 3 antibody; Sirtuin silent mating type information regulation 2 homolog 3 (S. cerevisiae) antibody; Sirtuin type 3 antibody; Sirtuin3 antibody; sirtuin 3; anti-SIRT3 antibody

PRODUCT SPECIFICATIONS

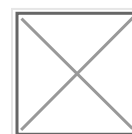
Host	Rabbit
Reactivity	Human, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	257
Applicable Applications for anti-SIRT3 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human SIRT3 recombinant protein (Position: P66-K399). Human SIRT3 shares 86% amino acid (aa) sequence identity with mouse SIRT3.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



Application Data

Anti-SIRT3 Picoband antibody, AAA46086-2.jpgAll lanes: Anti SIRT3 (AAA46086) at 0.5ug/mlLane 1: Rat Spleen Tissue Lysate at 50ugLane 2: Human Placenta Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 44KDObserved bind size: 44KD



Application Data

Anti-SIRT3 Picoband antibody, AAA46086-1.jpgAll lanes: Anti SIRT3 (AAA46086) at 0.5ug/mlWB: Recombinant Human SIRT3 Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT3 antibody	Description: Rabbit IgG polyclonal antibody for NAD-dependent protein deacetylase sirtuin-3, mitochondrial(SIRT3) detection. Tested with WB in Human;Rat. Background: NAD-dependent deacetylase sirtuin-3, mitochondrial also known as SIRT3 is a protein that in humans is encoded by the SIRT3 gene. SIRT3 is member of the mammalian sirtuin family of proteins, which are homologs to the yeast Sir2 protein. It is mapped to 11p15.5. Endogenous SIRT3 is a soluble protein located in the mitochondrial matrix. Overexpression of SIRT3 in cultured cells increases respiration and decreases the production of reactive oxygen species. SIRT3 can function as a mitochondrial deacetylase. In addition to it, human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63054862
NCBI GeneID	23410
NCBI Accession #	NP_001017524.1
NCBI GenBank Nucleotide #	NM_001017524.2
UniProt Accession #	Q9NTG7; Q9Y6E8; B7Z5U6
Molecular Weight	28,567 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-3, mitochondrial isoform b
NCBI Official Synonym Full Names	sirtuin 3
NCBI Official Symbol	SIRT3
NCBI Official Synonym Symbols	SIR2L3
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-3, mitochondrial; sir2-like 3; sirtuin type 3; SIR2-like protein 3; regulatory protein SIR2 homolog 3; NAD-dependent deacetylase sirtuin-3, mitochondrial; silent mating type information regulation 2, S.cerevisiae, homolog 3; mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-3, mitochondrial
UniProt Gene Name	SIRT3
UniProt Synonym Gene Names	SIR2L3; hSIRT3
UniProt Entry Name	SIR3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nad-dependent-protein-deacetylase-sirtuin-3-mitochondrial-antibody-western-blot-elisa/46086>