

Rabbit NAD-dependent protein deacetylase sirtuin-1 Polyclonal Antibody | anti-SIRT1 antibody

Anti-SIRT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46089	Rabbit	Human. No cross reactivity with other proteins.	Western Blot

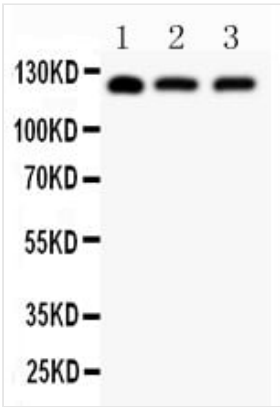
PRODUCT SYNONYMS

NAD-dependent protein deacetylase sirtuin-1; Polyclonal Antibody; Anti-SIRT1 Antibody; 75SirT1 antibody; BA57G10.4 antibody; hSIR2 antibody; hSIRT1 antibody; HST2; S. cerevisiae; homolog of antibody; NAD dependent deacetylase SIRT1 antibody; NAD dependent deacetylase sirtuin 1 antibody; NAD dependent protein deacetylase sirtuin 1 antibody; OTTHUMP00000198111 antibody; OTTHUMP00000198112 antibody; Regulatory protein SIR2 homolog 1 antibody; SIR1_HUMAN antibody; SIR2 like 1 antibody; SIR2 like protein 1 antibody; SIR2; S.cerevisiae; homolog-like 1 antibody; SIR2-like protein 1 antibody; SIR2ALPHA antibody; SIR2alpha protein antibody; SIR2L1 antibody; SIRT 1 antibody; Sirt1 antibody; SIRT1 Sir2 like proteins (siruitins) type 1 antibody; SIRT1: sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) antibody; SirtT1 75 kDa fragment antibody; sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) antibody; Sirtuin 1 antibody; sirtuin antibody; Sirtuin type 1 antibody; sirtuin 1; anti-SIRT1 antibody

PRODUCT SPECIFICATIONS

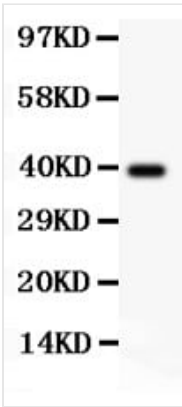
Host	Rabbit
Reactivity	Human. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	452
Applicable Applications for anti-SIRT1 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human SIRT1 recombinant protein (Position: R112-K311). Human SIRT1 shares 90% amino acid (aa) sequence identity with mouse SIRT1.
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-SIRT1 Picoband antibody, AAA46089-2.jpgAll lanes: Anti SIRT1 (AAA46089) at 0.5ug/mlLane 1: HEPG2 Whole Cell Lysate at 40ugLane 2: MCF Whole Cell Lysate at 40ugLane 3: SW620 Cell Lysate at 40ugPredicted bind size: 120KDObserved bind size: 120KD



Application Data

Anti-SIRT1 Picoband antibody, AAA46089-1.jpgAll lanes: Anti SIRT1 (AAA46089) at 0.5ug/mlWB: Recombinant Human SIRT1 Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT1 antibody

Description: Rabbit IgG polyclonal antibody for NAD-dependent protein deacetylase sirtuin-1(SIRT1) detection. Tested with WB in Human.

Background: Sirtuin 1, also known as SIR2L1 or SIRT1, is a protein that in humans is encoded by the SIRT1 gene. It is mapped to 10q21.3. Sirtuin 1 is a member of the sirtuin family of proteins, homologs of the Sir2 gene in *S. cerevisiae*. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. Sirtuin 1 is downregulated in cells that have high insulin resistance and inducing its expression increases insulin sensitivity, suggesting the molecule is associated with improving insulin sensitivity. Furthermore, Sirtuin 1 was shown to de-acetylate and affect the activity of both members of the PGC1-alpha/ERR-alpha complex, which are essential metabolic regulatory transcription factors.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215982798
NCBI GeneID	23411
NCBI Accession #	NP_001135970.1
NCBI GenBank Nucleotide #	NM_001142498.1
UniProt Accession #	Q96EB6; Q2XNF6; Q5JVQ0; Q9GZR9; Q9Y6F0
Molecular Weight	61,066 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-1 isoform b
NCBI Official Synonym Full Names	sirtuin 1
NCBI Official Symbol	SIRT1
NCBI Official Synonym Symbols	SIR2L1
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-1; hSIR2; hSIRT1; SIR2alpha; sir2-like 1; sirtuin type 1; SIR2-like protein 1; regulatory protein SIR2 homolog 1; NAD-dependent deacetylase sirtuin-1
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-1
UniProt Gene Name	SIRT1
UniProt Synonym Gene Names	SIR2L1; hSIRT1; hSIR2; 75SirT1
UniProt Entry Name	SIR1_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-1-antibody-western-blot-elisa/46089>