

Rabbit NAD-dependent protein deacetylase sirtuin-2 Polyclonal Antibody | anti-SIRT2 antibody

Anti-SIRT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46046	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

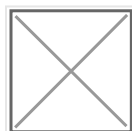
PRODUCT SYNONYMS

NAD-dependent protein deacetylase sirtuin-2; Polyclonal Antibody; Anti-SIRT2 Antibody; FLJ35621 antibody; FLJ37491 antibody; NAD dependent deacetylase sirtuin 2 antibody; NAD-dependent deacetylase sirtuin-2 antibody; NAD-dependent protein deacetylase sirtuin-2 antibody; Regulatory protein SIR2 homolog 2 antibody; Silencing information regulator 2 like antibody; Silent information regulator 2 antibody; Silent mating type information regulation 2 antibody; Silent mating type information regulation 2 homolog antibody; SIR 2 antibody; SIR2 antibody; SIR2 like antibody; SIR2 like protein 2 antibody; Sir2 related protein type 2 antibody; SIR2; S. cerevisiae; homolog-loke 2 antibody; SIR2-like protein 2 antibody; SIR2L antibody; SIR2L2 antibody; SIRT 2 antibody; SIRT2 antibody; SIRT2_HUMAN antibody; Sirtuin (silent mating type information regulation 2 homolog) 2 (S.cerevisiae) antibody; Sirtuin 2 antibody; Sirtuin type 2 antibody; Sirtuin2 antibody; sirtuin 2; anti-SIRT2 antibody

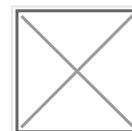
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, 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 Thimerosal, 0.05mg NaN3.
Sequence Length	234
Applicable Applications for anti-SIRT2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SIRT2(165-187aa YTQNIDTLERAGLEQEDLVEAH), both different from the related mouse and rat sequences by three amino acids.
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



IHC (Immunohistochemistry)
Anti-SIRT2 Picoband antibody, AAA46046-5.JPGIHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)
Anti-SIRT2 Picoband antibody, AAA46046-4.JPGIHC(P): Rat Brain Tissue



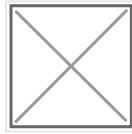
IHC (Immunohistochemistry)

Anti-SIRT2 Picoband antibody, AAA46046-3.JPG IHC(P): Mouse Brain Tissue



Application Data

Anti-SIRT2 Picoband antibody, AAA46046-2.jpg All lanes: Anti SIRT2 (AAA46046) at 0.5ug/ml Lane 1: Rat Spleen Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: A549 Whole Cell Lysate at 40ug Predicted bind size: 43KD Observed bind size: 43KD



Application Data

Anti-SIRT2 Picoband antibody, AAA46046-1.jpg All lanes: Anti SIRT2 (AAA46046) at 0.5ug/ml WB: Recombinant Human SIRT2 Protein 0.5ng Predicted bind size: 39KD Observed bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT2 antibody

Description: Rabbit IgG polyclonal antibody for NAD-dependent protein deacetylase sirtuin-2 (SIRT2) detection. Tested with WB, IHC-P in Human; Mouse; Rat.

Background: SIRT2 is a predominantly cytoplasmic protein that colocalizes with microtubules. 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. SIRT2 is mapped to 19q13.2. It is able to cause radioactivity to be transferred from (32P) NAD to bovine serum albumin (BSA). According to researches, SIRT2 can act as a bona fide tubulin deacetylase. SIRT2 was found to deacetylate lys40 of alpha-tubulin both in vitro and in vivo. SIRT2 is also a regulator of mitotic progression that acts downstream from CDC14B in a pathway regulating mitotic exit or subsequent cytokinesis. What's more, SIRT2 is an important regulator of programmed necrosis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	300797705
NCBI GeneID	22933
NCBI Accession #	NP_001180215.1
NCBI GenBank Nucleotide #	NM_001193286.1
UniProt Accession #	Q8IXJ6; O95889; Q924Y7; Q9P0G8; Q9UNT0; Q9Y6E9; A8K3V1; B2RB45; U5TP13
Molecular Weight	35,654 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-2 isoform 3
NCBI Official Synonym Full Names	sirtuin 2
NCBI Official Symbol	SIRT2
NCBI Official Synonym Symbols	SIR2; SIR2L; SIR2L2
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-2; sirtuin type 2; SIR2-like protein 2; sir2-related protein type 2; silent information regulator 2; regulatory protein SIR2 homolog 2; NAD-dependent deacetylase sirtuin-2
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-2
UniProt Gene Name	SIRT2
UniProt Synonym Gene Names	SIR2L; SIR2L2
UniProt Entry Name	SIR2_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-2-antibody-immunohistochemistry-western-blot-elisa/46046>