

Datasheet for ABIN3043924
anti-SIRT2 antibody (Middle Region)

6 Images

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Overview

Quantity:	100 µg
Target:	SIRT2
Binding Specificity:	AA 165-187, Middle Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for NAD-dependent protein deacetylase sirtuin-2(SIRT2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human SIRT2(165-187aa YTQNIDTLERIAGLEQEDLVEAH), different from the related mouse and rat sequences by three amino acids.
Sequence:	YTQNIDTLER IAGLEQEDLV EAH
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for NAD-dependent protein deacetylase sirtuin-2(SIRT2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: sirtuin 2</p> <p>Protein Name: NAD-dependent protein deacetylase sirtuin-2</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: SIRT2

Alternative Name: SIRT2 ([SIRT2 Products](#))

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.

Synonyms: 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

Gene ID: 22933

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for SIRT2 is approximately 0.25 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested.

Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

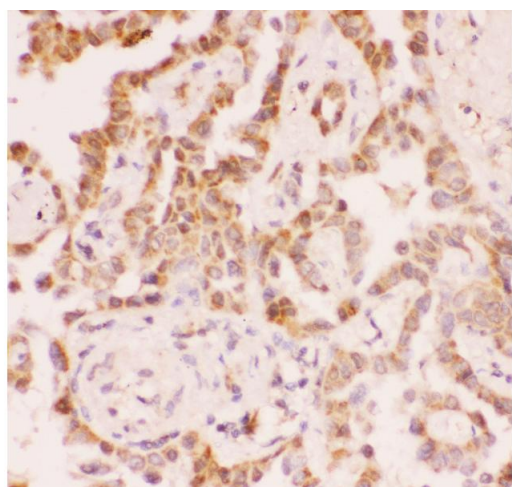
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Immunohistochemistry

Image 1. Anti-SIRT2 Picoband antibody, IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 2. Anti-SIRT2 Picoband antibody, All lanes: Anti SIRT2 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

Western Blotting

Image 3. Anti-SIRT2 Picoband antibody, All lanes: Anti SIRT2 at 0.5ug/ml WB: Recombinant Human SIRT2 Protein 0.5ng Predicted bind size: 39KD Observed bind size: 39KD

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3043924.