



Datasheet for ABIN6972719
anti-SIRT2 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	SIRT2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	This SIRT2 antibody was raised against a synthetic peptide derived from the C-terminal region of human SIRT2.
Isotype:	IgG
Characteristics:	<p>SIRT2 is a member of the SIR2 / Sirtuin family of NAD-dependant deacetylase enzymes. It has multiple targets for deacetylation, including tubulin, P53, HOXA10, FOXO3A, P300, FOXO1.</p> <p>SIRT2 suppresses adipogenesis by deacetylating FOXO1, promoting the binding of FOXO1 to PPARγ and subsequent repression of PPARγ mediated transcriptional activation. Similar to SIRT1, SIRT2 also deacetylates H4AcK16 similar to SIRT1, SIRT2 deacetylates histone H4 at lysine 16. SIRT2 is present in the cytoplasm during most of the cell cycle except in the G2/M transition and in mitosis, where it is found in the nucleus and in contact with chromatin and required for exit from mitosis. SIRT2 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunoprecipitation and Western blot, it has been shown to react with</p>

Product Details

Human samples.

Purification: Affinity Purified

Target Details

Target: SIRT2

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

Molecular Weight: 40 & 45 kDa

NCBI Accession: [NP_036369](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

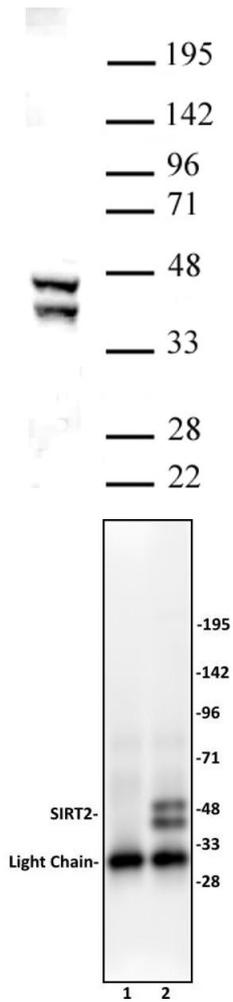
Buffer: Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

Image 1. SIRT2 antibody (pAb) tested by Western blot. Cytoplasmic extract of K-562 cells (25 μ g per lane) probed with SIRT2 antibody (1:500).

Immunoprecipitation

Image 2. SIRT2 antibody (pAb) tested by Immunoprecipitation. 10 μ L of SIRT2 antibody was used to immunoprecipitate SIRT2 from 250 μ g of K-562 cytoplasmic cell extract (lane 2). 10 μ L of rabbit IgG was used as a negative control (lane 1). The immunoprecipitated protein was detected by Western blotting using the SIRT2 antibody at a dilution of 1:500.