BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-SIRT3 Antibody

Catalog Number: A01061

About SIRT3

The Silent Information Regulator (SIR2) family of genes are highly conserved from prokaryotes to eukaryotes and have important functions in the regulation of metabolism, growth and differentiation, inflammation, cellular survival, as well as in senescence, lifespan extension and several age-related diseases. Sirtuins are NAD+-dependent histone/protein deacetylases (HDAC) and SIRT3 is the only sirtuin whose increased expression has been shown to correlate with an extended life span in humans. It is localized in the mitochondrial matrix, where it regulates the acetylation levels of metabolic enzymes, including acetyl coenzyme A synthetase 2. SIRT3 is stress-responsive and its increased expression protects myocytes from genotoxic and oxidative stress-mediated cell death.

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Overview

Product Name	Anti-SIRT3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SIRT3 Antibody (Catalog # A01061). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	SIRT3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	SIRT3 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Chicken
Uniprot ID	Q9NTG7

Technical Details

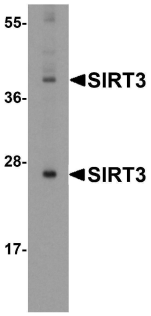
Immunogen	SIRT3 antibody was raised against a 17 amino acid synthetic peptide near the center of human SIRT3. The immunogen is located within amino acids 180 - 230 of SIRT3.
Isotype	IgY

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Form	Liquid
Concentration	1 mg/mL
Purification	SIRT3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SIRT3 antibody can be used for detection of SIRT3 by Western blot at 1 - 2 ug/mL. Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-SIRT3 Antibody (A01061) Images



Western blot analysis of SIRT3 in mouse heart tissue lysate with SIRT3 antibody at (A) 1 and (B) 2 ug/mL.

Anti-SIRT3 Antibody

For Research Use Only. Not for use in diagnostic procedures.