

## Anti-SIRT6 Antibody

Catalog Number: A00611

### About SIRT6

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 and lifespan extension. Sirtuins, including SIRT1-7, are human homologs of yeast Sir2p. Sirtuins are NAD<sup>+</sup>-dependent histone/protein deacetylases (HDAC) which regulate cellular metabolism, e.g. energy metabolism, and thereby are associated with aging and several age-related diseases. SIRT6 is a histone H3 lysine 9 deacetylase and is thought to stabilize the DNA-dependent protein kinase at double-stranded DNA breaks and may have a role in the process of mammalian aging.

### Overview

|                      |                                                                                                                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-SIRT6 Antibody                                                                                                                                                                            |
| Reactive Species     | Human, Mouse, Rat                                                                                                                                                                              |
| Description          | Boster Bio Anti-SIRT6 Antibody (Catalog # A00611). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.                                                              |
| Application          | ELISA, WB                                                                                                                                                                                      |
| Clonality            | Polyclonal                                                                                                                                                                                     |
| Formulation          | SIRT6 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                               |
| Storage Instructions | SIRT6 antibody can be stored at 4°C for three months and -20°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           | Q8N6T7                                                                                                                                                                                         |

### Technical Details

|                     |                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen           | SIRT6 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human SIRT6. The immunogen is located within the last 50 amino acids of SIRT6. |
| Isotype             | IgY                                                                                                                                                                             |
| Form                | Liquid                                                                                                                                                                          |
| Concentration       | 1 mg/mL                                                                                                                                                                         |
| Purification        | SIRT6 Antibody is affinity chromatography purified via peptide column.                                                                                                          |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.                                                                     |

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

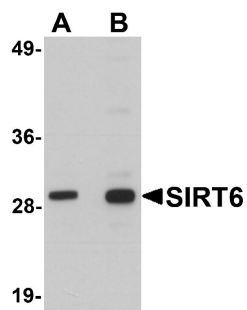
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

SIRT6 antibody can be used for detection of SIRT6 by Western blot at 0.5 - 1 ug/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Anti-SIRT6 Antibody (A00611) Images



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