BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Phospho-SIRT1 (S47) Rabbit Monoclonal Antibody

Catalog Number: P00018-1

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Overview

Product Name	Anti-Phospho-SIRT1 (S47) Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-SIRT1 (S47) Rabbit Monoclonal Antibody catalog # P00018-1. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal FDA-19
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q96EB6

Technical Details

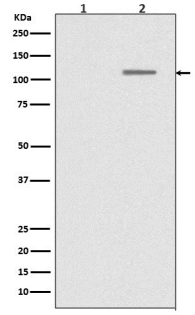
Immunogen	A synthesized peptide derived from human Phospho-SIRT1 (S47)
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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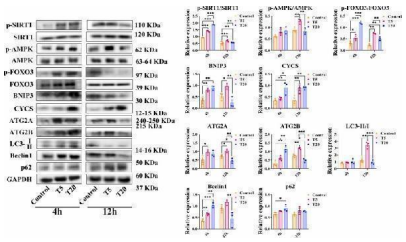
	IHC, 1:50-200 ICC/IF, 1:50-200

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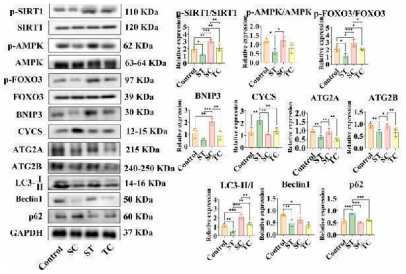
Anti-Phospho-SIRT1 (S47) Rabbit Monoclonal Antibody (P00018-1) Images



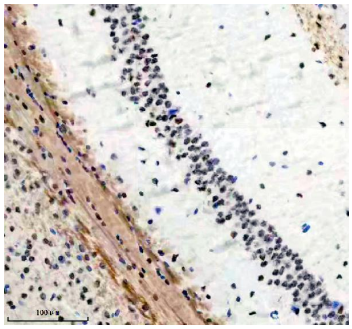
Western blot analysis of Phospho-SIRT1 (S47) expression in (1) HEK293 cell lysate; (2) HEK293 cell lysate treated with LP.



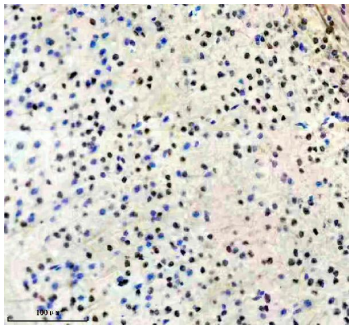
Proteins expressions of SIRT1-AMPK-FOXO3 pathway and autophagy markers in C28/I2 chondrocytes after 4-hour T-2 toxin treatment. T5: 5 ng/mL T-2 toxin; T20: 20 ng/mL T-2 toxin. n = 3. *P < 0.05, **P < 0.01, ***P < 0.001.Index in PubMed under a CC BY license. PMID: 40763514



Proteins expressions of SIRT1-AMPK-FOXO3 pathway and autophagy markers of C28/I2 chondrocytes treated with 20 ng/mL T-2 toxin and 100 ng/mL CSA-SeNP for 12 h. ST: Treatment separately with T-2 toxin; SC: Treatment separately with CSA-SeNP; TC: Treatment with T-2 toxin and CSA-SeNP. n = 3. *P < 0.05, **P < 0.01, ***P < 0.001.Index in PubMed under a CC BY license. PMID: 40763514



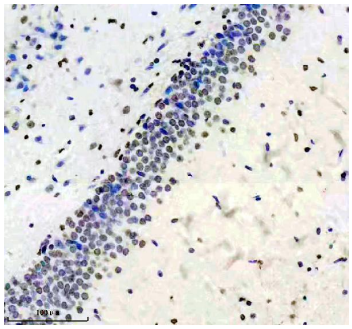
IHC analysis of P-SIRT1 using anti-P-SIRT1 antibody (P00018-1). P-SIRT1 was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-P-SIRT1 Antibody (P00018-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



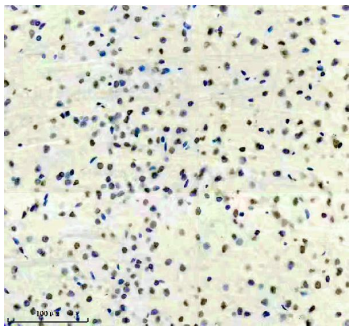
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Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



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