

SIRT1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to the carboxy terminus of mouse SirT1
Form	Liquid
Concentration	316 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10979977

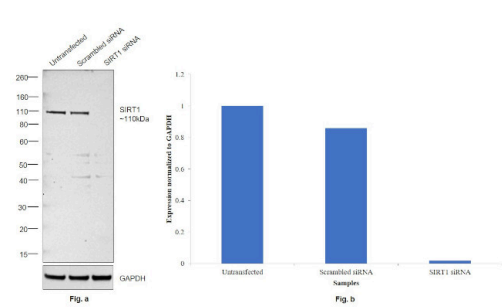
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	4 Publications
Immunoprecipitation (IP)	1:50	1 Publication

Product Specific Information

It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with other sirtuin proteins.

Product Images For SIRT1 Polyclonal Antibody

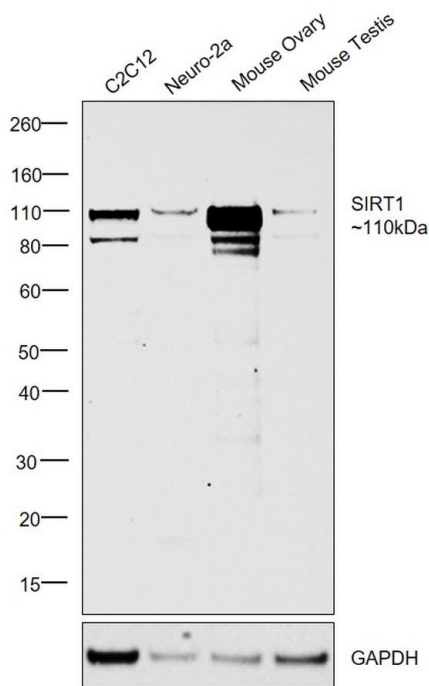


SIRT1 Antibody (PA5-17074)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. C2C12 cells were transfected with SIRT1 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-SIRT1 Polyclonal Antibody (Product # PA5-17074). {KD}

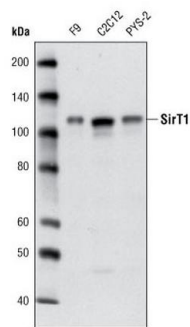
SIRT1 Antibody (PA5-17074) in WB

Western blot was performed using Anti-SIRT1 Polyclonal Antibody (Product # PA5-17074) and a 110kDa band corresponding to SIRT1 was observed across all cell lines and tissues tested. Nuclear enriched extracts (50 µg lysate) of C2C12 (Lane 1), Neuro-2a (Lane 2), Mouse Ovary (Lane 3) and Mouse Testis (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



SIRT1 Antibody (PA5-17074) in WB

Western blot analysis of extracts from F9, C2C12 and PYS-2 cells using SirT1 polyclonal antibody (Product # PA5-17074).



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Western Blot (4)

<p>EMBO molecular medicine</p> <p>Microbiota dysbiosis influences immune system and muscle pathophysiology of dystrophin-deficient mice.</p> <p>"PA5-17074 was used in Western Blotting to identify a potential role for the gut microbiota in the pathogenesis of DMD."</p> <p>Authors: Farini A,Tripodi L,Villa C,Strati F,Facoetti A,Baselli G,Troisi J,Landolfi A,Lonati C,Molinaro D,Wintzinger M,Gatti S,Cassani B,Caprioli F,Facciotti F,Quattrocelli M,Torrente Y</p>	<p>Year 2023</p> <p>Species Mouse</p> <p>Dilution 1:500</p>
<p>Biomedicines</p> <p>Vitamin D Prevents High Glucose-Induced Lipid Droplets Accumulation in Cultured Endothelial Cells: The Role of Thioredoxin Interacting Protein.</p> <p>"Published figure using SIRT1 polyclonal antibody (Product # PA5-17074) in Western Blot"</p> <p>Authors: Scrimieri R,Cazzaniga A,Castiglioni S,Maier JAM</p>	<p>Year 2021</p>

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Immunoprecipitation (1)

<p>Biochemical and biophysical research communications</p> <p>Sirtuin1 promotes osteogenic differentiation through downregulation of peroxisome proliferator-activated receptor in MC3T3-E1 cells.</p> <p>"PA5-17074 was used in immunoprecipitation and western blot to investigate the molecular mechanism of Sirt1 in osteogenic differentiation"</p> <p>Authors: Qu B,Ma Y,Yan M,Gong K,Liang F,Deng S,Jiang K,Ma Z,Pan X</p>	<p>Year 2016</p> <p>Species Human</p> <p>Dilution 1:500</p>
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