

SIRT3 Polyclonal Antibody

Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 299-399 of human SIRT3 (NP_0363711)
Form	Liquid
Concentration	2.61 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol
Contains	0.05% ProClin 300
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2808208

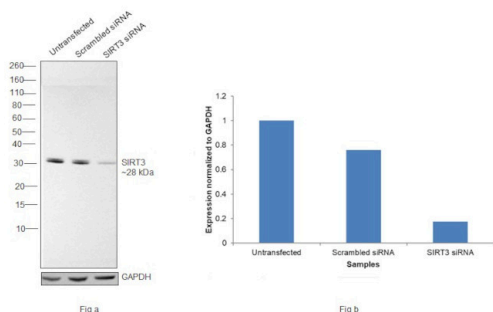
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:20-1:50	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-

Product Specific Information

Positive Samples: SW620; Cellular Location: Mitochondrion matrix

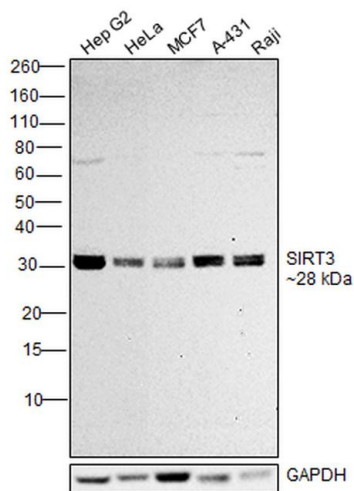
Immunogen sequence: PQRFLHVV D FPMADLLLIL GTSLEVEPFA SLTEAVRSSV PRLINRDLV GPLAWHPRSR DVAQLGDVVH GVESLVELLG WTEEMRDLVQ RETGKLDGPD K

Product Images For SIRT3 Polyclonal Antibody



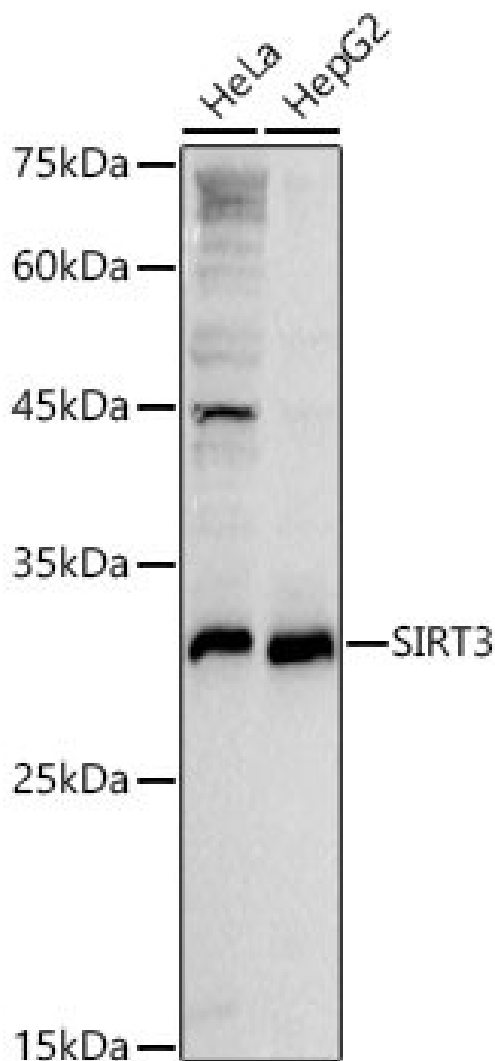
SIRT3 Antibody (PA5-96406)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Hep G2 cells were transfected with NAD-dependent protein deacetylase sirtuin-3, mitochondrial siRNA and decrease in signal intensity was observed in Western Blot application using Anti-SIRT3 Polyclonal Antibody (Product # PA5-96406). {KD}



SIRT3 Antibody (PA5-96406) in WB

Western blot was performed using Anti-SIRT3 Polyclonal Antibody (Product # PA5-96406) and a 28 kDa band corresponding to NAD-dependent protein deacetylase sirtuin-3, mitochondrial was observed across cell lines tested. Whole cell extracts (30 µg lysate) of Hep G2 (Lane 1), HeLa (Lane 2), MCF7 (Lane 3), A-431 (Lane 4), Raji (Lane 5) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0341BOX). 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 (1:750 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) 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).



SIRT3 Antibody (PA5-96406) in WB

Western blot analysis of SIRT3 in extracts of various cell lines. Samples were incubated with SIRT3 Polyclonal antibody (Product # PA5-96406) using a dilution of 1:1,000, followed by HRP Goat Anti-Rabbit IgG (H+L) at a dilution of 1:10,000. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (1)

Redox biology

Year
2023

Genistein mitigates senescence of bone marrow mesenchymal stem cells via ERR-mediated mitochondrial biogenesis and mitophagy in ovariectomized rats.

"Published figure using SIRT3 polyclonal antibody (Product # PA5-96406) in Western Blot"

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