

# SIRT3 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to a region within amino acids 338 and 399 of Human SIRT3
Form	Liquid
Concentration	0.7 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2545878

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-

## Product Specific Information

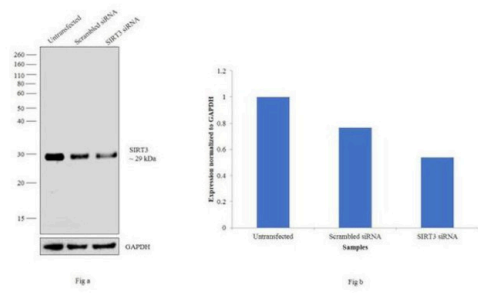
Recommended positive controls: HepG2.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For SIRT3 Polyclonal Antibody

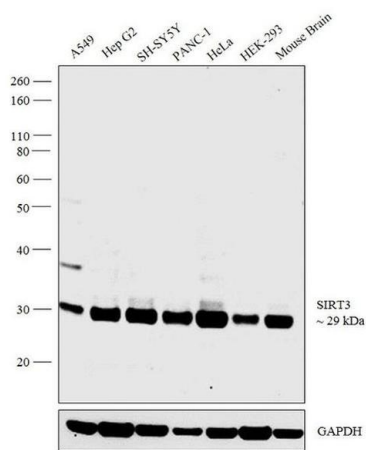
SIRT3 Antibody (PA5-28402)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Hep G2 cells were transfected with SIRT3 siRNA and reduction of signal was observed in Western Blot using SIRT3 Polyclonal Antibody (Product # PA5-28402). {KD}



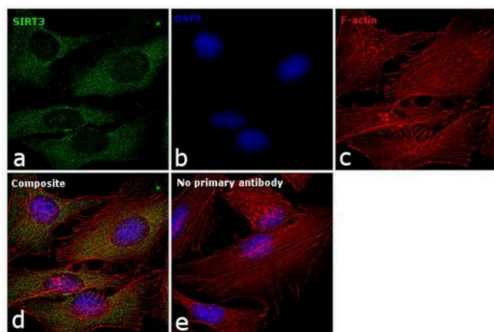
SIRT3 Antibody (PA5-28402) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of A549 (Lane 1), HepG2 (Lane 2), SH-SY5Y (Lane 3), PANC-1 (Lane 4), HeLa (Lane 5), HEK-293 (Lane 6) and tissue extract of Mouse Brain (Lane 7). The blot was probed with Anti-SIRT3 Polyclonal Antibody (Product # PA5-28402, 1:1,000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A 29 kDa band corresponding to SIRT3 was observed across the cell lines and tissue tested.



SIRT3 Antibody (PA5-28402) in ICC/IF

Immunofluorescence analysis of SIRT3 was performed using 70% confluent log phase HeLa cells. The cells were fixed with ice-cold acetone for 5 minutes and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with SIRT3 Polyclonal Antibody (Product # PA5-28402) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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