

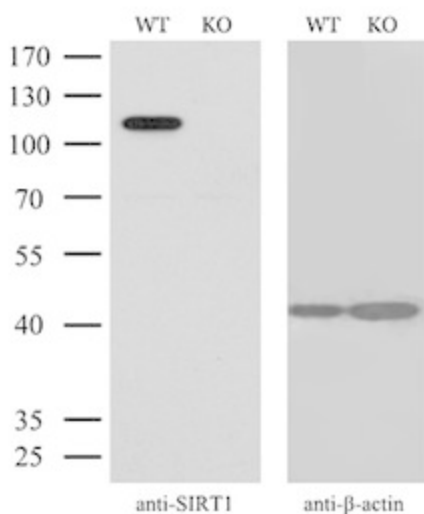
SIRT1 Monoclonal Antibody (OTI5B2)

Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	OTI5B2
Conjugate	Unconjugated
Immunogen	Human recombinant protein fragment corresponding to amino acids 552-676 of SIRT1 produced in E. coli
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 1% BSA, 50% glycerol
Contains	0.02% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2723650

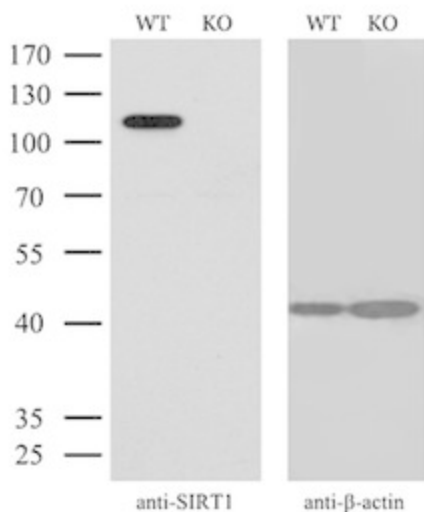
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:100	-
Immunofluorescence (IF)	1:100	-
Immunohistochemistry (Paraffin) (IHC (P))	1:2000	-
Western Blot (WB)	1:500-1:2000	-

Advanced Verification Data



SIRT1 Antibody (MA5-27217)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal was observed for target protein in SIRT1 knockout (KO) HeLa cell line using Anti- (Product # MA5-27217). Knockout validation info.



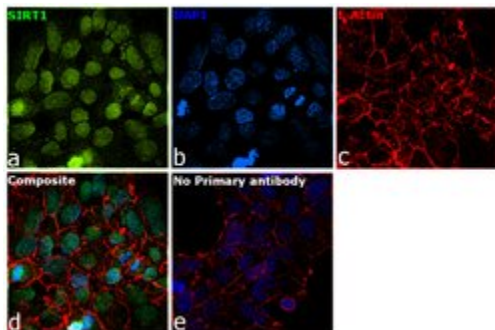
SIRT1 Antibody (MA5-27217)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal was observed for target protein in SIRT1 knockout (KO) HeLa cell line using Anti-SIRT1 Monoclonal Antibody (OTI5B2) (Product # MA5-27217). Knockout validation info.

Product Images For SIRT1 Monoclonal Antibody (OTI5B2)

SIRT1 Antibody (MA5-27217) in ICC

Immunofluorescence analysis of SIRT1 was performed using 70% confluent log phase HEK-293 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with SIRT1 Monoclonal Antibody (Product # MA5-27217) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766) 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 predominantly nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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