

Product Name: SIRT2 (1D4) Mouse Monoclonal Antibody
Catalog #: AMM03445

Summary

Production Name	SIRT2 (1D4) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	SIRT2
Alternative Names	SIRT2; SIR2L; SIR2L2; NAD-dependent protein deacetylase sirtuin-2; Regulatory protein
Gene ID	22933
SwissProt ID	Q8IXJ6

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200
Molecular Weight	Calculated MW: 43 kDa; Observed MW: 43 kDa

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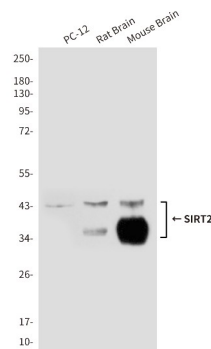
Background

Participate in a variety of cellular functions, including histone deacetylation, gene silencing, chromosomal stability, and aging. SIRT2, a human homolog of the yeast SIR2, functions as transcriptional silencing mediator at mating-type loci, telomeres and ribosomal gene clusters. SIRT2 expression increases dramatically during mitosis and is multiply phosphorylated at the G(2)/M transition of the cell cycle.

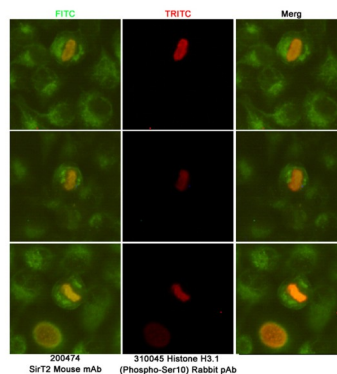
Research Area

Epigenetics and Nuclear Signaling

Image Data

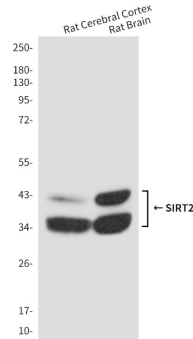


Western blot analysis of SirT2 in PC-12, rat Brain and mouse Brain lysates using SirT2 antibody.



Immunofluorescence analysis of SIRT2 (1D4) in HeLa using SirT2 antibody(green) and Histone H3.1 (Phospho-Ser10) (310045) antibody(red).

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Western blot analysis of SIRT2 (1D4) in rat Cerebral Cortex and rat Brain lysates using SirT2 antibody.

Note

For research use only.