

Product Datasheet

SIRT1 Mouse mAb

Catalog No: AB3309

Reactivity: Human

Isotype: Mouse IgG2b

Applications: WB,IP



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Information

UniProt ID: Q96EB6

All Names: hSIR2; hSIRT1; NAD-dependent deacetylase sirtuin 1; SIR1; SIR2-like protein 1; SIR2L1; sirtuin 1

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 120KDa

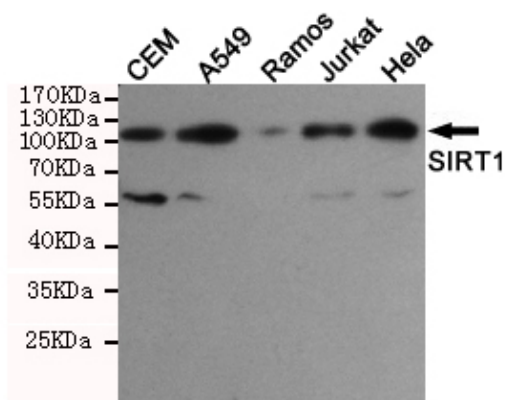
Application

WB 1:1000

IP

Background

NAD⁺/NADH which is altered by glucose deprivation and metabolic changes associated with caloric restriction. Is essential in skeletal muscle cell differentiation and in response to low nutrients mediates the inhibitory effect on skeletal myoblast differentiation which also involves 5'-AMP-activated protein kinase (AMPK) and nicotinamide phosphoribosyltransferase (NAMPT).



Western blot detection of SIRT1 in HeLa, Jurkat, Ramos, A549 and CEM cell lysates using SIRT1 mouse mAb (1:1000 diluted). Predicted band size: 120KDa. Observed band size: 120KDa.

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