

Product Datasheet

SIRT5 Antibody

Catalog No: CY5920

Reactivity: Human Mouse

Isotype: Rabbit IgG

Applications: WB



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Information

UniProt ID: Q9NXA8

All Names: NAD dependent lysine demalonylase and desuccinylase sirtuin 5 mitochondrial; NAD dependent protein deacetylase sirtuin 5 mitochondrial; Regulatory protein SIR2 homolog 5; Silent mating type information regulation 2 S.cerevisiae homolog 5; SIR2-like protein 5; SIR2L5; Sirt5; Sirtuin 5; Sirtuin type 5;

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

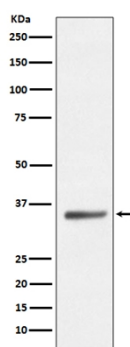
Molecular Wt.: 34 kDa

Application

WB 1:1000~1:2000

Background

The Silent Information Regulator (SIR2) family of genes is a highly conserved group of genes that encode nicotinamide adenine dinucleotide (NAD)-dependent protein deacetylases, also known as Class III histone deacetylases. SirT5, a mammalian homolog of Sir2, is localized to the mitochondria and has been implicated in the regulation of cell metabolism. SirT5 deacetylates carbamoyl phosphate synthetase 1 (CPS1) in the mitochondrial matrix and increases its activity in response to fasting, allowing for adaptation to increased amino acid catabolism. SirT5 has also been shown to deacetylate cytochrome c in the mitochondrial intermembrane space. In addition to its deacetylase activity, SirT5 contains lysine desuccinylase and demalonylase activity.



Western blot analysis of SIRT5 expression in HeLa cell lysate.

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