



SIRT5 mouse mAb

货号	YP-mAb-18136
同位型	IgG
应用	WB
种属	Human;Mouse;Rat
靶点	SIRT5
基因名称	SIRT5 SIR2L5
蛋白名称	NAD-dependent protein deacylase sirtuin-5, mitochondrial (EC 3.5.1.-) (Regulatory protein SIR2 homolog 5) (SIR2-like protein 5)
免疫原	Synthesized peptide derived from human SIRT5
特异性	This antibody detects endogenous levels of SIRT5 at Human, Mouse,Rat
组成	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
来源	Monoclonal, mouse,IgG
稀释	WB 1:500-2000
纯化工艺	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
分子量	34kD
功能	NAD-dependent lysine demalonylase, desuccinylase and deglutarylase that specifically removes malonyl, succinyl and glutaryl groups on target proteins . Activates CPS1 and contributes to the regulation of blood ammonia levels during prolonged fasting: acts by mediating desuccinylation and deglutarylation of CPS1, thereby increasing CPS1 activity in response to elevated NAD levels during fasting . Activates SOD1 by mediating its desuccinylation, leading to reduced reactive oxygen species . Activates SHMT2 by mediating its desuccinylation . Modulates ketogenesis through the desuccinylation and activation of HMGCS2 (By similarity). Has weak NAD-dependent protein deacetylase activity; however this activity may not be physiologically relevant in vivo. Can deacetylate cytochrome c (CYCS) and a number of other proteins in vitro such as UOX.
细胞定位	Mitochondrion matrix. Mitochondrion intermembrane space. Cytoplasm, cytosol. Nucleus. Mainly mitochondrial. Also present extramitochondrially, with a fraction present in the cytosol and very small amounts also detected in the nucleus.; [Isoform 1]: Cytoplasm . Mitochondrion .; [Isoform 2]: Mitochondrion .
组织表达	Widely expressed.
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!



使用建议

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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