

anti- SIRT5 antibody

Product Information

Catalog No.:	FNab07883
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

NAD-dependent lysine demalonylase, desuccinylase and deglutarylase that specifically removes malonyl, succinyl and glutaryl groups on target proteins(PubMed:21908771, PubMed:22076378, PubMed:24703693). 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(PubMed:22076378, PubMed:24703693). Activates SOD1 by mediating its desuccinylation, leading to reduced reactive oxygen species(PubMed:24140062). 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.

Immunogen information

Immunogen:	sirtuin(silent mating type information regulation 2 homolog) 5
Synonyms:	FLJ36950, SIR2 like protein 5, SIR2L5, SIRT5
Observed MW:	33 kDa
Uniprot ID :	Q9NXA8

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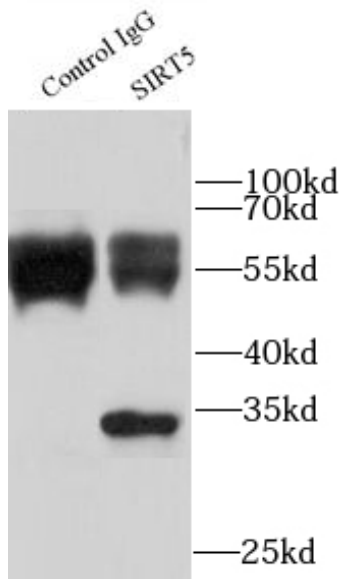
Application

Reactivity: Human, Mouse, Rat

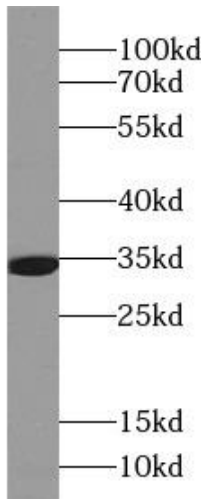
Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:500-1:1000; IP: 1:500-1:1000; IF: 1:50-1:500

Image:



IP Result of anti-SIRT5 (IP: FNab07883, 4ug; Detection: FNab07883 1:500) with mouse liver tissue lysate 6000ug.



HeLa cells were subjected to SDS PAGE followed by western blot with FNab07883(SIRT5 antibody) at dilution of 1:600