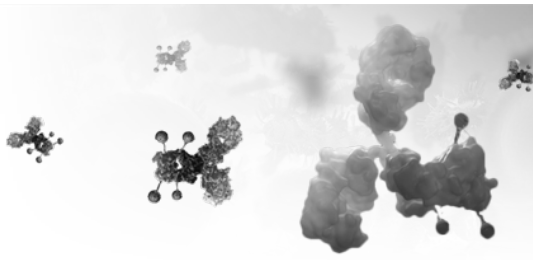

Rabbit Anti-SIRT5 monoclonal antibody, clone KK095-12 (CABT-L841)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	SIRT5
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	KK095-12
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB
Molecular Weight	37/22 kDa
Cellular Localization	Cytoplasm, Nucleus, Mitochondrion.
Positive Control	Jurkat.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	SIRT5 is a human member of a family of proteins called Sirtuins (Sir2-like proteins) and are present in prokaryotes and eukaryotes. All Sir2-like proteins have a sirtuin core domain, which contains a series of sequence motifs conserved in organisms ranging from bacteria to humans. Bacterial, yeast and mammalian sirtuins are able to metabolize NAD and possibly at as mono-ADP-ribosyltransferases. The enzymatic function of sirtuins is not yet completely understood but recent reports of histone-activated Sir2-mediated NAD metabolism and NAD-activated Sir2-mediated histone deacetylation suggest a possible coupled reciprocal activation mechanism involving interactions of Sir2 with NAD and the N epsilon-acetyl-lysine groups of acetylated histones.
Keywords	NAD dependent deacetylase sirtuin 5;NAD dependent lysine demalonylase and desuccinylase sirtuin 5 mitochondrial;NAD dependent protein deacylase sirtuin 5 mitochondrial;NAD-dependent protein deacylase sirtuin-5, mitochondrial;Regulatory protein SIR2 homolog 5;Silent mating type information regulation 2 S.cerevisiae homolog 5;Sir2 like 5;SIR2-like protein 5;SIR2L5;SIR5_HUMAN;Sirt5;Sirtuin 5;Sirtuin type 5 antibody

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