



Rabbit Anti-Human SIRT3 monoclonal antibody, clone L.940.2 (CABT-L1592)

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

PRODUCT INFORMATION

Specificity	This antibody is not cross-reactive with other sirtuins.
Target	SIRT3
Immunogen	Synthetic peptide corresponding to the sequence of human Sirt3 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Non-human primate, Rat
Clone	L.940.2
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	IHC-P, IP, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 50% glycerol, 0.15M NaCl, 100µg/ml BSA
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Two alternatively spliced transcript variants that encode different proteins have been described for this gene.

Keywords

SIRT3;sirtuin 3;SIR2L3;NAD-dependent protein deacetylase sirtuin-3, mitochondrial;sir2-like 3;sirtuin type 3;SIR2-like protein 3;regulatory protein SIR2 homolog 3;NAD-dependent deacetylase sirtuin-3, mitochondrial;silent mating type information regulation 2, *S.cerevisiae*, homolog 3

GENE INFORMATION

Entrez Gene ID

[23410](#)

UniProt ID

[Q9NTG7](#)
