

Product Name: KO-Validated Phospho-SIRT1 (S47) Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01863

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 81.7kDa

Antigen Information

Gene Name	SIRT1 SIRT1; Sirtuin; SIR2L1; NAD-Dependent Protein Deacetylase Sirtuin-1; NAD-Dependent Protein Deacylase Sirtuin-1; Regulatory Protein SIR2 Homolog 1; SIR2-Like Protein 1; Sirtuin
Alternative Names	(Silent Mating Type Information Regulation 2, S. Cerevisiae, Homolog); Sirtuin (Silent Mating Type Information Regulation 2 Homolog) 1 (S. Cerevisiae); Sirtuin Type 1; EC 2.3.1.286; EC 2.3.1.- ; SIR2alpha; HSIRT1; HSIR2; SIR2
Gene ID	23411.0
SwissProt ID	Q96EB6
Immunogen	A synthesized peptide derived from human Phospho-SIRT1 (S47)

Background

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]

Research Area

Cell Biology, Epigenetics and Nuclear Signaling, Metabolism, Microbiology

Image Data

