Human SIRT1 Antibody Pair Set

Catalog No. E-KAB-0701 **Applications** ELISA
Synonyms SIR2L1;NAD-dependent deacetylase sirtuin-1

Kit components & Storage

Title	Specifications	Storage
Human SIRT1 Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Human SIRT1 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0701)	
		Human SIRT1 Capture Antibody	Human SIRT1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human SIRT1 protein	Recombinant Human SIRT1 protein
	Swissprot	Q96EB6	
Product details	Reactivity	Human	Human
	Host	Sheep	Sheep
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Affinity purification	Affinity purification
	Specificity	Detects Human SIRT1 in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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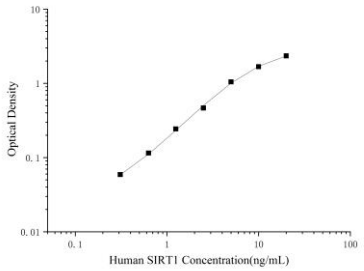
Applications

Human SIRT1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Human SIRT1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human SIRT1 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

SIRT1,the human homolog of the S. cerevisiae Sir2 protein,functions as an NAD-dependent deacetylase of a number of nonhistone substrates including p53. In response to DNA damage,SIRT1 binds and deacetylates the p53 protein at c-terminal Lys382 residue and attenuates p53-mediated functions. When overexpressed in mouse embryo fibroblasts,SIRT1 antagonizes PML-induced acetylation of p53 and rescues PML-mediated premature cellular senescence. In mammalian cells,SIRT1 appears to control the cellular response to stress by regulating the FOXO family of forkhead transcription factors.

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