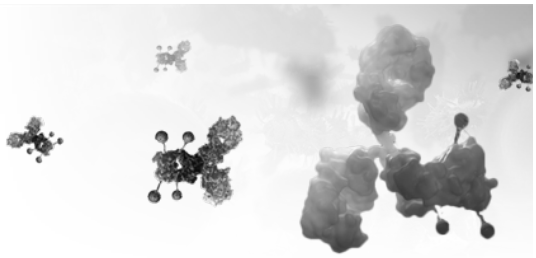

Human SIRT1 blocking peptide (CDBP2681)

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

PRODUCT INFORMATION

Product Overview	Blocking peptide for anti-SIRT1 antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	200 μg/ml
Size	50 μg
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20℃, stable for one year.

GENE INFORMATION

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Gene Name	SIRT1 sirtuin 1 [Homo sapiens]
Official Symbol	SIRT1
Synonyms	SIRT1; sirtuin 1; sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) , sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 1; NAD-dependent deacetylase sirtuin-1; SIR2L1; hSIR2; hSIRT1; SIR2alpha; sir2-like 1; sirtuin type 1; SIR2-like protein 1;
Entrez Gene ID	23411
mRNA Refseq	NM_001142498
Protein Refseq	NP_001135970
UniProt ID	Q96EB6
Chromosome Location	10q21
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; E2F transcription factor network, organism-specific biosystem; Energy Metabolism, organism-specific biosystem; FoxO family signaling, organism-specific biosystem; HIF-2-alpha transcription factor network, organism-specific biosystem; Regulation of Androgen receptor activity, organism-specific biosystem;
Function	HLH domain binding; NOT NAD+ ADP-ribosyltransferase activity; NAD+ binding; NAD-dependent histone deacetylase activity; NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent protein deacetylase activity; NAD-dependent protein deacetyl

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