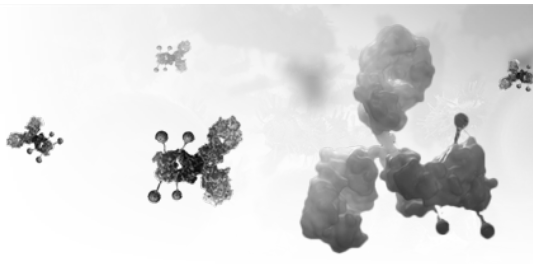

SIRT2 blocking peptide (CDBP6120)

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

PRODUCT INFORMATION

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. Several transcript variants are resulted from alternative splicing of this gene. [provided by RefSeq, Jul 2010]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	SIRT2 sirtuin 2 [Homo sapiens (human)]
Official Symbol	SIRT2
Synonyms	SIRT2; sirtuin 2; SIR2; SIR2L; SIR2L2; NAD-dependent protein deacetylase sirtuin-2; sirtuin-2; sirtuin type 2; SIR2-like protein 2; sir2-related protein type 2; silent information regulator 2;

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	regulatory protein SIR2 homolog 2; NAD-dependent deacetylase sirtuin-2
Entrez Gene ID	22933
mRNA Refseq	NM_001193286
Protein Refseq	NP_001180215
UniProt ID	Q8IXJ6
Pathway	Signaling events mediated by HDAC Class I; Signaling events mediated by HDAC Class III
Function	NOT NAD+ ADP-ribosyltransferase activity; NAD+ binding; NAD-dependent histone deacetylase activity; NOT NAD-dependent histone deacetylase activity; NAD-dependent histone deacetylase activity (H4-K16 specific); NAD-dependent protein deacetylase activity; NAD-dependent protein deacetylase activity; chromatin binding; histone acetyltransferase binding; histone deacetylase activity; histone deacetylase binding; protein binding; protein deacetylase activity; protein deacetylase activity; transcription factor binding; tubulin deacetylase activity; NOT tubulin deacetylase activity; ubiquitin binding; zinc ion binding

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