



## Anti-SIRT1 (aa 456-555) polyclonal antibody (DPAB-DC1097)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	SIRT1 (AAH12499, 456 a.a. ~ 555 a.a) partial recombinant protein with GST tag. The sequence is  NRYIFHGAEVYSDSEDDVLSSSSCGSNSDSGTCQSPSLEEPMEDESEIEEFYNGLEDEPD VPERAGGAGFGTDGDDQEAINEAISVKQEVTDMNYPNSNKS
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">SIRT1 sirtuin 1 [ Homo sapiens (human) ]</a>
Official Symbol	SIRT1
Synonyms	SIRT1; sirtuin 1; SIR2L1; NAD-dependent protein deacetylase sirtuin-1; hSIR2; hSIRT1; SIR2alpha; sir2-like 1; sirtuin type 1; SIR2-like protein 1; regulatory protein SIR2 homolog 1; NAD-dependent deacetylase sirtuin-1;
Entrez Gene ID	<a href="#">23411</a>
Protein Refseq	<a href="#">NP_001135970</a>
UniProt ID	<a href="#">A8K128</a>
Chromosome Location	10q21.3
Pathway	AMPK signaling pathway; Amphetamine addiction; Androgen receptor signaling pathway; Cellular responses to stress
Function	HLH domain binding; NOT NAD+ ADP-ribosyltransferase activity; NAD+ binding; NAD-dependent histone deacetylase activity