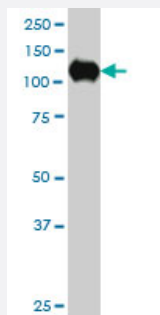


SIRT1 monoclonal antibody (M03), clone 7C2

Catalog # H00023411-M03

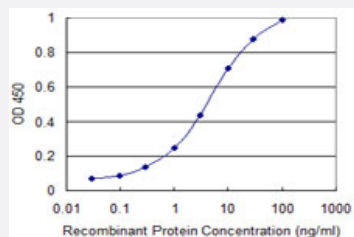
Size 100 ug

Applications



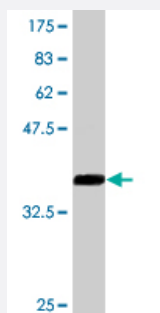
Western Blot (Cell lysate)

SIRT1 monoclonal antibody (M03), clone 7C2. Western Blot analysis of SIRT1 expression in HeLa S3 NE (Cat # L013V3).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SIRT1 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 kDa).

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SIRT1.

Immunogen	SIRT1 (AAH12499, 456 a.a. ~ 555 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NRYIFHGAEVYSDSEDDVLSSSSCGSNSDSGTCQSPSLEEPMEDESEIEEFYNGLEDEPDVPER AGGAGFGTDGDDQEAINEAISVKQEVTD MNYP SNKS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SIRT1 monoclonal antibody (M03), clone 7C2. Western Blot analysis of SIRT1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SIRT1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SIRT1

Entrez GeneID [23411](#)

GeneBank Accession#	BC012499
Protein Accession#	AAH12499
Gene Name	SIRT1
Gene Alias	SIR2L1
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)
Omim ID	604479
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000019691 OTTHUMP00000060745 SIR2alpha sir2-like 1 sirtuin 1 sirtuin type 1

Disease

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- [Psychiatric Status Rating Scales](#)

- [Tobacco Use Disorder](#)