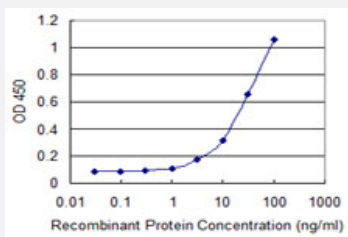


SIRT6 monoclonal antibody (M01), clone 1D8

Catalog # H00051548-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SIRT6 is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SIRT6.
Immunogen	SIRT6 (NP_057623.1, 141 a.a. ~ 250 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CAKCKTQYVRD TVVGT MGLKATGRLCTVAKARGLRACRGELRDTILDWEDSLPDRDLALADEAS RNADLSITLGTSLQIRPSGNLPLATKRRGGRLVMNLQPTKHDRHA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SIRT6 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SIRT6

Entrez GeneID	51548
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GeneBank Accession#	NM_016539
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Protein Accession#	NP_057623.1
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Gene Name	SIRT6
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Gene Alias	SIR2L6
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Gene Description	sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae)
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Omim ID	606211
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Gene Ontology	Hyperlink
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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 IV of the sirtuin family. [provided by RefSeq]
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Other Designations	sir2-related protein type 6 sirtuin 6 sirtuin type 6
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Publication Reference

- [SIRT6 expression is associated with poor prognosis and chemosensitivity in patients with non-small cell lung cancer.](#)

Azuma Y, Yokobori T, Mogi A, Altan B, Yajima T, Kosaka T, Onozato R, Yamaki E, Asao T, Nishiyama M, Kuwano H.

Journal of Surgical Oncology 2015 Aug; 112(2):231.

Application: IHC, Human, Lung cancer tumor

- [Over expression of wild type or a catalytically dead mutant of Sirtuin 6 does not influence NFkB responses.](#)

Grimley R, Polyakova O, Vamathevan J, McKenry J, Hayes B, Patel C, Smith J, Bridges A, Fosberry A, Bhardwaja A, Mouzon B, Chung CW, Barrett N, Richmond N, Modha S, Solari R.

PLoS One 2012 Jul; 7(7):e39847.

Application: WB-Tr, Human, HEK 293 cells