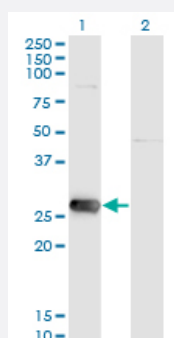


SIRT3 monoclonal antibody (M09), clone 1A4

Catalog # H00023410-M09

Size 100 ug

Applications

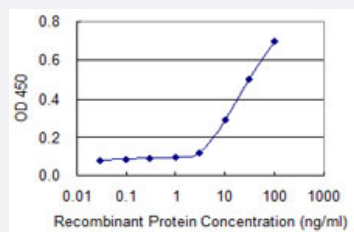


Western Blot (Transfected lysate)

Western Blot analysis of SIRT3 expression in transfected 293T cell line by SIRT3 monoclonal antibody (M09), clone 1A4.

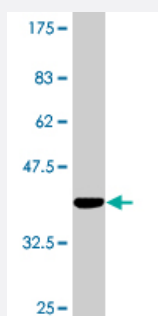
Lane 1: SIRT3 transfected lysate (Predicted MW: 28.6 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SIRT3 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.07 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SIRT3.

Immunogen	SIRT3 (NP_036371.1, 297 a.a. ~ 399 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PLPQRFLHVVDFPMADLLLILGTSLEVEPFASLTEAVRSSVPRLINRDLVGPLAWHPRSRDVAQLGDVVHGVESLVELLGWTEEMRDLVQRETGKLDGPDK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (85)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.07 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 (Transfected lysate)

Western Blot analysis of SIRT3 expression in transfected 293T cell line by SIRT3 monoclonal antibody (M09), clone 1A4.

Lane 1: SIRT3 transfected lysate (Predicted MW: 28.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SIRT3 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SIRT3

Entrez GeneID	23410
GeneBank Accession#	NM_012239
Protein Accession#	NP_036371.1
Gene Name	SIRT3
Gene Alias	SIR2L3
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae)
Omim ID	604481
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. Two alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq]
Other Designations	mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase silent mating type information regulation 2, S.cerevisiae, homolog 3 sir2-like 3 sirtuin 3 sirtuin type 3

Disease

- [Alzheimer disease](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)