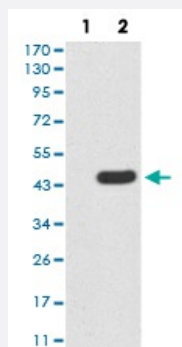


SIRT3 monoclonal antibody, clone 6C12D1

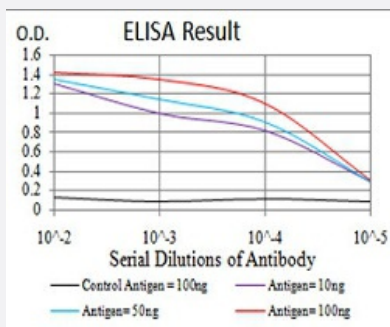
Catalog # MAB17164 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) SIRT3-hlgGfC transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of SIRT3 monoclonal antibody, clone 6C12D1.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human SIRT3.
Immunogen	Recombinant protein corresponding to amino acid 155-290 of human SIRT3 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	43.6kDa
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) SIRT3-hlgGfc transfected HEK293 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of SIRT3 monoclonal antibody, clone 6C12D1.

Gene Info — SIRT3

Entrez GeneID	23410
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](#)