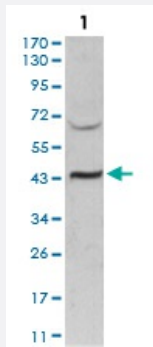


SIRT3 monoclonal antibody, clone 6B2A1

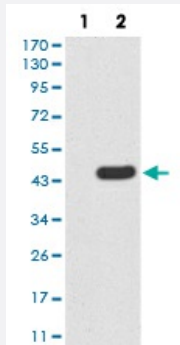
Catalog # MAB17165 Size 100 ug

Applications



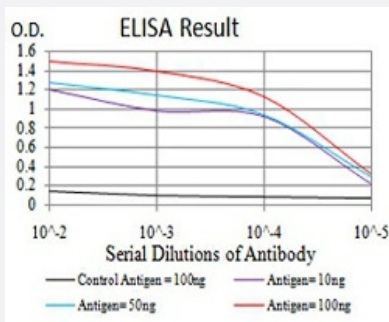
Western Blot (Cell lysate)

Western blot analysis using SIRT3 monoclonal antibody against PANC-1 cell.



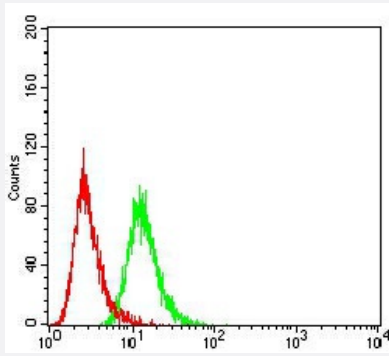
Western Blot (Transfected lysate)

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 6B2A1.



Flow Cytometry

Flow cytometric analysis of HeLa cells with SIRT3 monoclonal antibody (green) and negative control (red).

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 (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) 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 (Cell lysate)

Western blot analysis using SIRT3 monoclonal antibody against PANC-1 cell.

- 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 6B2A1.

- Flow Cytometry

Flow cytometric analysis of HeLa cells with SIRT3 monoclonal antibody (green) and negative control (red).

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](#)