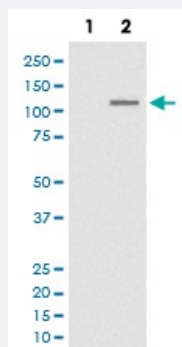


SIRT1 (phospho S47) monoclonal antibody, clone FDA-19

Catalog # MAB20570

Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of (1) HEK293 cell lysate, (2) HEK293 cell lysate treated with LP using SIRT1 (phospho S47) monoclonal antibody, clone FDA-19.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human SIRT1.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S47 of human SIRT1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 of (1) HEK293 cell lysate, (2) HEK293 cell lysate treated with LP using SIRT1 (phospho S47) monoclonal antibody, clone FDA-19.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

Gene Info — SIRT1

Entrez GeneID [23411](#)

Protein Accession# [Q96EB6](#)

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

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Obesity](#)
- [Overweight](#)
- [Psychiatric Status Rating Scales](#)
- [Tobacco Use Disorder](#)