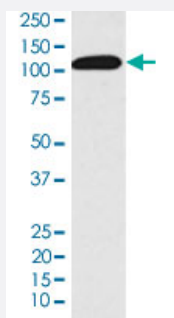


SIRT1 monoclonal antibody, clone GG-19

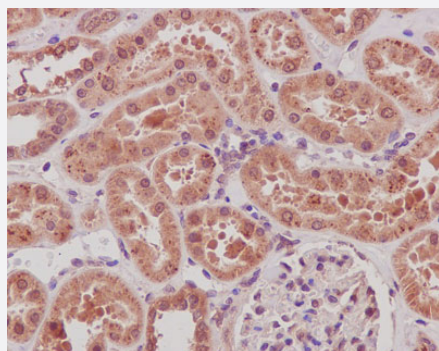
Catalog # MAB22027 Size 100 uL

Applications



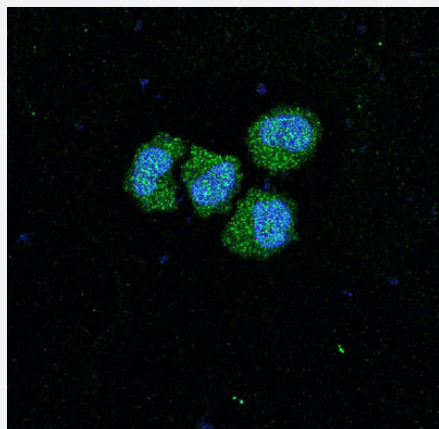
Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate.



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney.



Immunofluorescence

Immunofluorescence analysis of HeLa cells.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human SIRT1.
Immunogen	A synthetic peptide corresponding to human SIRT1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:30) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	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 of Jurkat cell lysate.

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney.

- Immunofluorescence

Immunofluorescence analysis of HeLa cells.

- Immunoprecipitation

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](#)