

## Mouse anti-Human SIRT1 Monoclonal Antibody | anti-SIRT1 antibody

SIRT1 Mouse mAb

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                      |
|-----------|-------|------------|-----------------------------------|
| AAA320391 | Mouse | Human      | Immunoprecipitation, Western Blot |

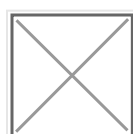
### PRODUCT SYNONYMS

SIRT1; Monoclonal Antibody; SIRT1 Mouse mAb; 75SirT1; BA57G10.4; hSIR2; hSIRT1; HST2; S. cerevisiae; homolog of; NAD dependent deacetylase SIRT1; NAD dependent deacetylase sirtuin 1; NAD dependent protein deacetylase sirtuin 1; OTTHUMP00000198111; OTTHUMP00000198112; Regulatory protein SIR2 homolog 1; SIR1\_HUMAN; SIR2 like 1; SIR2 like protein 1; SIR2; S.cerevisiae; homolog-like 1; SIR2-like protein 1; SIR2ALPHA; SIR2alpha protein; SIR2L1; SIRT 1; Sirt1; SIRT1 Sir2 like proteins (siruitins) type 1; SIRT1: sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae); SirtT1 75 kDa fragment; sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae); Sirtuin 1; sirtuin; Sirtuin type 1; Sirtuin type 1.; anti-SIRT1 antibody

### PRODUCT SPECIFICATIONS

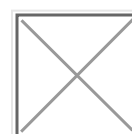
|                                                 |                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                              |
| Reactivity                                      | Human                                                                                                              |
| Clonality                                       | Monoclonal                                                                                                         |
| Specificity                                     | This antibody detects endogenous levels of SIRT1 and does not cross-react with related proteins.                   |
| Purity/Purification                             | The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. |
| Form/Format                                     | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                            |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                             |
| Applicable Applications for anti-SIRT1 antibody | IP (Immunoprecipitation), WB (Western Blot)                                                                        |
| Immunogen                                       | Purified recombinant human SIRT1 protein fragments expressed in E coli.                                            |
| Modification                                    | Unmodified/Total                                                                                                   |
| Preparation and Storage                         | Store at -20 degree C/1 year                                                                                       |

### IMAGES



#### IP (Immunoprecipitation)

Immunoprecipitation analysis of Hela cell lysates using SIRT1 mouse mAb.



#### WB (Western Blot)

Western blot detection of SIRT1 in Hela.Jurkat.Ramos.A549 and CEM cell lysates using SIRT1 mouse mAb (1:1000 diluted).Predicted band size:120KDa.Observed band size:120KDa.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-SIRT1 antibody

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, Dec 2008]

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 215982798                                                                                                                                                                                       |
| NCBI GeneID                      | 23411                                                                                                                                                                                           |
| NCBI Accession #                 | NP_001135970.1                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001142498.1                                                                                                                                                                                  |
| UniProt Accession #              | Q96EB6; Q2XNF6; Q5JYQ0; Q9GZR9; Q9Y6F0                                                                                                                                                          |
| Molecular Weight                 | 81,681 Da                                                                                                                                                                                       |
| NCBI Official Full Name          | NAD-dependent protein deacetylase sirtuin-1 isoform b                                                                                                                                           |
| NCBI Official Synonym Full Names | sirtuin 1                                                                                                                                                                                       |
| NCBI Official Symbol             | SIRT1                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | SIR2L1                                                                                                                                                                                          |
| NCBI Protein Information         | NAD-dependent protein deacetylase sirtuin-1; hSIR2; hSIRT1; SIR2alpha; sir2-like 1; sirtuin type 1; SIR2-like protein 1; regulatory protein SIR2 homolog 1; NAD-dependent deacetylase sirtuin-1 |
| UniProt Protein Name             | NAD-dependent protein deacetylase sirtuin-1                                                                                                                                                     |
| UniProt Gene Name                | <b>SIRT1</b>                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | SIR2L1; hSIRT1; hSIR2; 75SirT1                                                                                                                                                                  |
| UniProt Entry Name               | SIR1_HUMAN                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sirt1-antibody-immunoprecipitation-western-blot-elisa/320391>