

## Rabbit anti-Human SIRT5 Polyclonal Antibody | anti-SIRT5 antibody

SIRT5 Antibody (Center)

|                               |                       |                            |                                            |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA286419</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|

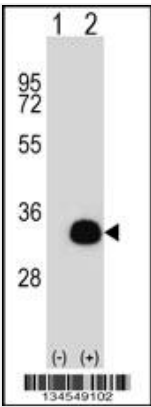
### PRODUCT SYNONYMS

SIRT5; Polyclonal Antibody; SIRT5 Antibody (Center); NAD-dependent protein deacylase sirtuin-5; mitochondrial {ECO:0000255|HAMAP-Rule:MF\_03160}; 351- {ECO:0000255|HAMAP-Rule:MF\_03160}; Regulatory protein SIR2 homolog 5 {ECO:0000255|HAMAP-Rule:MF\_03160}; SIR2-like protein 5 {ECO:0000255|HAMAP-Rule:MF\_03160}; SIRT5 {ECO:0000255|HAMAP-Rule:MF\_03160}; SIR2L5; anti-SIRT5 antibody

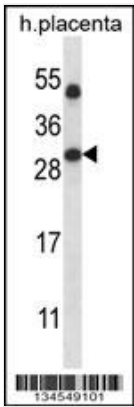
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This SIRT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 99-127 amino acids from the Central region of human SIRT5.           |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                              | 99-127                                                                                                                                                                       |
| Sequence Length                                 | 292                                                                                                                                                                          |
| Applicable Applications for anti-SIRT5 antibody | ELISA, WB (Western Blot)                                                                                                                                                     |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                  | HUMAN                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



**WB (Western Blot)**  
Western blot analysis of SIRT5 (arrow) using rabbit polyclonal SIRT5 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SIRT5 gene.



**WB (Western Blot)**  
SIRT5 Antibody (Center) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the SIRT5 antibody detected the SIRT5 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SIRT5 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 III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants. |
| Product Categories/Family for anti-SIRT5 antibody   | Cardiovascular; Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| References                                          | Schlicker, C., et al. J. Mol. Biol. 382(3):790-801(2008)<br>Yamamoto, H., et al. Mol. Endocrinol. 21(8):1745-1755(2007)<br>Chowdari, K.V., et al. Genes Brain Behav. 6(3):229-239(2007)<br>Mahlknecht, U., et al. Cytogenet. Genome Res. 112 (3-4), 208-212 (2006) :<br>Michishita, E., et al. Mol. Biol. Cell 16(10):4623-4635(2005)                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GI #                        | 300795542                                                          |
| NCBI GeneID                      | 23408                                                              |
| NCBI Accession #                 | NP_001180196.1; NP_001229756.1; NP_036373.1; NP_112534.1           |
| NCBI GenBank Nucleotide #        | NM_001193267.2                                                     |
| UniProt Accession #              | Q9NXA8; Q5T294; Q5T295; Q9Y6E6; B4DFM4; B4DYJ5; F5H5Z9             |
| Molecular Weight                 | 33881                                                              |
| NCBI Official Full Name          | NAD-dependent protein deacylase sirtuin-5, mitochondrial isoform 3 |
| NCBI Official Synonym Full Names | sirtuin 5                                                          |
| NCBI Official Symbol             | SIRT5                                                              |
| NCBI Official Synonym Symbols    | SIR2L5                                                             |

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| NCBI Protein Information | NAD-dependent protein deacylase sirtuin-5, mitochondrial |
| UniProt Protein Name     | NAD-dependent protein deacylase sirtuin-5, mitochondrial |
| UniProt Gene Name        | <b>SIRT5</b>                                             |
| UniProt Entry Name       | SIR5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sirt5-antibody-western-blot-elisa/286419>