

## Rabbit Sirtuin 4 (SIRT4) Polyclonal Antibody | anti-SIRT4 antibody

Polyclonal Antibody to Sirtuin 4 (SIRT4)

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                   |
|-----------|--------|-------------------|----------------------------------------------------------------|
| AAA133216 | Rabbit | Mouse, Human, Rat | Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry |

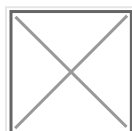
### PRODUCT SYNONYMS

Sirtuin 4 (SIRT4); Polyclonal Antibody; Polyclonal Antibody to Sirtuin 4 (SIRT4); anti-SIRT4 antibody

### PRODUCT SPECIFICATIONS

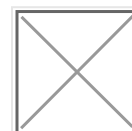
|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                      | Mouse, Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity                                     | The antibody is a rabbit polyclonal antibody raised against SIRT4. It has been selected for its ability to recognize SIRT4 in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                       |
| Purity/Purification                             | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                     | Supplied as solution form in PBS, pH7.4, containing 0.02% Na <sub>3</sub> , 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration                                   | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence                                        | Antigen: The target protein is fused with a His-tag and its sequence is listed below.<br>M GHHHHHSGS EF-SGLFVPP SPPLDPEKIK ELQRFISLSK KLLVMTGAGI STESGIPDYR SEKVGLYART<br>DRRPIQHIDF VRSAPVRQRY WARNEVGWQP FSSHQPNPAH WALSNWERLG KLHWLVTONV DALHSKAGSQ<br>RLTELHGCMH RVLCLNCGEQ TARRVLQERF QALNPSWSAE AQGVAPDGDV FLTEEQVRSF QVPCCDRCGG<br>PLKPDVVFEG DTVNPDKVDF VHRRVKEADS LLVVGSSLQV YSGYRFILTA REQKLPIAL NIGPTRSDDL<br>ACLKLDSCRG ELLPLIDPRR QHSDVQRLEM NFPLSSAAQD P |
| Applicable Applications for anti-SIRT4 antibody | WB (Western Blot), ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry)                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                                       | Recombinant SIRT4 (Ser26~Pro333) expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cross Reactivity                                | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Conjugated Antibody                             | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage                         | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                          |

### IMAGES



**IHC (Immunohistochemistry)**

DAB staining on formalin fixed paraffin-embedded liver tissue



**WB (Western Blot)**

Western Blot: Sample: Recombinant SIRT4, Mouse.



**WB (Western Blot)**

Western Blot: Sample: Lane1: Mouse Liver Tissue; Lane2: Human Hela Cells; Lane3: Human PC-3 Cells.

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 267844849                                                  |
| NCBI GeneID                      | 75387                                                      |
| NCBI Accession #                 | NP_001161163.1                                             |
| NCBI GenBank Nucleotide #        | NM_001167691.1                                             |
| UniProt Accession #              | Q8R216; D3Z1D9                                             |
| Molecular Weight                 | 37,525 Da                                                  |
| NCBI Official Full Name          | NAD-dependent protein lipoamidase sirtuin-4, mitochondrial |
| NCBI Official Synonym Full Names | sirtuin 4                                                  |
| NCBI Official Symbol             | Sirt4                                                      |
| NCBI Official Synonym Symbols    | 4930596Q17Rik                                              |
| NCBI Protein Information         | NAD-dependent protein lipoamidase sirtuin-4, mitochondrial |
| UniProt Protein Name             | NAD-dependent protein lipoamidase sirtuin-4, mitochondrial |
| UniProt Gene Name                | <b>Sirt4</b>                                               |
| UniProt Synonym Gene Names       | Sir2l4                                                     |

**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/sirtuin-4-sirt4-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/133216>