

**Anti-SIRT4 antibody (29-314) (STJ29722)**  
STJ29722

**GENERAL INFORMATION**

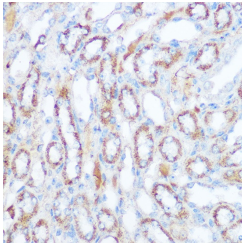
|                          |                    |
|--------------------------|--------------------|
| <b>Product Type</b>      | Primary antibodies |
| <b>Short Description</b> |                    |
| <b>Applications</b>      | WB/IHC-P/ELISA     |
| <b>Host/Source</b>       | Rabbit             |
| <b>Reactivity</b>        | Human/Mouse/Rat    |

**PRODUCT PROPERTIES**

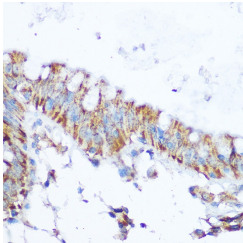
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|----------------------------|--|
| <b>Clonality</b>           | Polyclonal   |
| <b>Clone ID</b>            |  |
| <b>Concentration</b>       | Lot specific   |
| <b>Conjugation</b>         | Unconjugated   |
| <b>Purification</b>        | Affinity purification  |
| <b>Dilution Range</b>      | WB:1:500-1:2000<br>IHC-P:1:50-1:200<br>ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements. |
| <b>Formulation</b>         | PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.   |
| <b>Isotype</b>             | IgG  |
| <b>Storage Instruction</b> | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.   |

**TARGET INFORMATION**

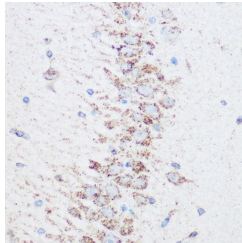
|                           |  |
|---------------------------|--|
| <b>Gene ID</b>            | 23409  |
| <b>Gene Symbol</b>        | SIRT4  |
| <b>Uniprot ID</b>         | SIR4_HUMAN   |
| <b>Immunogen</b>          |  |
| <b>Immunogen Region</b>   | 29-314   |
| <b>Specificity</b>        | Recombinant fusion protein containing a sequence corresponding to amino acids 29-313 of human SIRT4 (NP_036372.1).   |
| <b>Immunogen Sequence</b> | IGLVFPASPLDPEKVKELQ RFITLSKRLLVMTGAGISTE SGIPDYRSEKVGLYARTDRR PIQHGFVRSAPIRQRYWAR<br>NFVGGWPQFSSHQPNPAHWAL STWEKLGKLYWLVLTQNVDAI HTKAGSRRLTELHGCMRDVRL CLDCGEQTPRGVLQERFQVL<br>NPTWSAEAHGLAPDGDVFLS EEQVRSFQVPTCVQCGGHLK PDVVFEGDVTNPDKVDVHK RVKEADSLWGSLLQVYS |



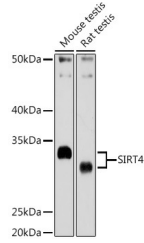
Immunohistochemistry analysis of paraffin-embedded mouse kidney using SIRT4 Rabbit polyclonal antibody (STJ29722) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human colon using SIRT4 Rabbit polyclonal antibody (STJ29722) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat brain using SIRT4 Rabbit polyclonal antibody (STJ29722) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using SIRT4 Rabbit polyclonal antibody (STJ29722) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJSD00856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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