

SIRT4 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10177**Specification**

SIRT4 Antibody - Product Information

| | |
|-------------------|--------------------------|
| Application | WB |
| Primary Accession | B2RZ30 |
| Other Accession | B2RZ30 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |

SIRT4 Antibody - Additional Information

| | |
|---------------------|--|
| Positive Control | Rat kidney tissue lysate |
| Application & Usage | Western Blot analysis (1-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide is available separately. |

Other Names

NAD-dependent deacetylase sirtuin-4, SIR2-like protein 4

Target/Specificity

Sirtuin-4

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti- SIRT4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

SIRT4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

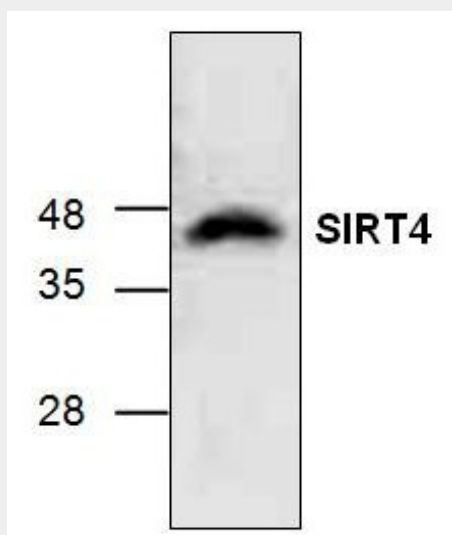
SIRT4 Antibody - Protein Information

SIRT4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SIRT4 Antibody - Images



Western blot analysis of SIRT4 using rat kidney tissue lysate.

SIRT4 Antibody - Background

Silent information regulator (Sir2)-like family deacetylases (also known as sirtuins) are highly conserved proteins and have important roles in the regulation of metabolism, inflammation, cellular survival growth and differentiation. Sirtuins, including SIRT1-7, are human homologs of yeast Sir2p. Sirtuins are NAD-dependent protein ADP-ribosyl transferase which catalyzes the transfer of ADP-ribosyl groups onto target proteins, including mitochondrial GLUD1. SIRT4 localizes to mitochondria, inhibits glutamate dehydrogenase (GLUD1), and may involve in the regulation of insulin secretion.