

Datasheet for ABIN185191
anti-SIRT4 antibody (C-Term)

4 Images

1 Publication

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Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | SIRT4 |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This SIRT4 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

Product Details

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|-------------------|---|
| Purpose: | SIRT4 |
| Immunogen: | Peptide with sequence SRCGELLPLIDPC, from the C Terminus of the protein sequence according to NP_036372.1. |
| Sequence: | SRCGELLPLI DPC |
| Isotype: | IgG |
| Cross-Reactivity: | Cow, Dog, Human, Mouse, Pig, Rat |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade: | Verified |

Target Details

| | |
|-------------------|---|
| Target: | SIRT4 |
| Alternative Name: | SIRT4 (SIRT4 Products) |
| Background: | SIRT4, SIR2L4, sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae), sirtuin silent mating type information regulation 2 homolog 4 (S. cerevisiae), MGC130046, MGC130047, MGC57437, SIR2L4, sirtuin 4, sir2-like 4, sirtuin 4, sirtu |
| Gene ID: | 23409, 75387 |
| NCBI Accession: | NP_036372 |
| Pathways: | Negative Regulation of Hormone Secretion |

Application Details

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|--------------------|--|
| Application Notes: | Immunohistochemistry: In paraffin embedded Skeletal Muscle shows spotty staining of striated fibres in longitudinal section. Recommended concentration: 2-3 µg/mL. Western Blot: Approx. 38 kDa band observed in Human Kidney lysates (calculated MW of 35.2 kDa according to NP_036372.1). Recommended concentration: 1-3 µg/mL. Primary incubation was 1 hour. Peptide ELISA: antibody detection limit dilution 1:32000. |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Buffer: | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Minimize freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |

Publications

Product cited in: do Amaral, Ueno, Oliveira, Borsonello, Vanzela, Ribeiro, Alves, Barbosa, Carneiro, Boschero: "Reduced expression of SIRT1 is associated with diminished glucose-induced insulin secretion in islets from calorie-restricted rats." in: **The Journal of nutritional biochemistry**, Vol. 22, Issue 6, pp. 554-9, (2011) ([PubMed](#)).

Images

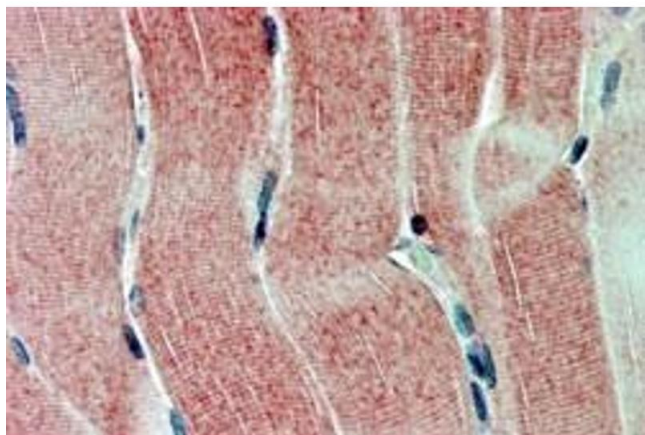


Western Blotting

Image 1. ABIN185191 (0.05ug/ml) staining of Human Kidney (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Western Blotting

Image 2. ABIN185191 (1µg/ml) staining of Human Kidney lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



Immunohistochemistry

Image 3. ABIN185191 (2.5µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN185191.