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SIRT3 (C1) Antibody, Rabbit Polyclonal

Cat#: R2354-2

Quantity: 100 ul

Predicted | Observed M.W.: 44 | 54 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9NTG7

Background:

NAD-dependent protein deacetylase sirtuin-3 (SIRT3) is 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. SIRT3 is included in class I of the sirtuin family. Two alternatively spliced transcript variants that encode different proteins have been described for this gene [provided by RefSeq].

Other Names:

NAD-dependent protein deacetylase sirtuin-3, mitochondrial, hSIRT3, Regulatory protein SIR2 homolog 3, SIR2-like protein 3, SIR2L3

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human SIRT3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

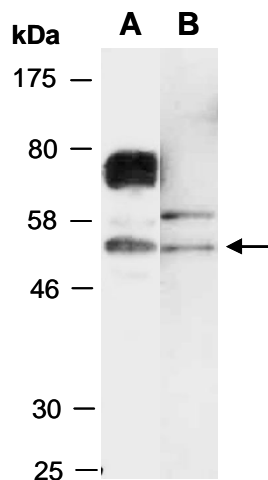


Fig 1. Western blot of total cell extracts from (A) mouse brain, (B) mouse thymus; using anti-SIRT3 (C1) (R2354-2) at RT for 2 h.