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SIRT7 (vPair™) Antibodies

Cat#: R2601-vp

Quantity: 100 ul

Predicted | Observed MW: 45 kDa

Application: WB

Quantity: 50 ul SIRT7 (N) (R2601-1) Rabbit Polyclonal Antibody &

50 ul SIRT7 (C) (R2601-2) Rabbit Polyclonal Antibody

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9NRC8

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

Background:

Sirtuin-7 (SIRT7) 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 [provided by RefSeq].

Other Names:

NAD-dependent protein deacetylase sirtuin-7, Regulatory protein SIR2 homolog 7, SIR2-like protein 7, SIR2L7

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [SIRT7 (N) (R2601-1)] or the C-terminal [SIRT7 (C) (R2601-2)] region of human SIRT7. 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.

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.

Species Specificity:

Human

Product Data:

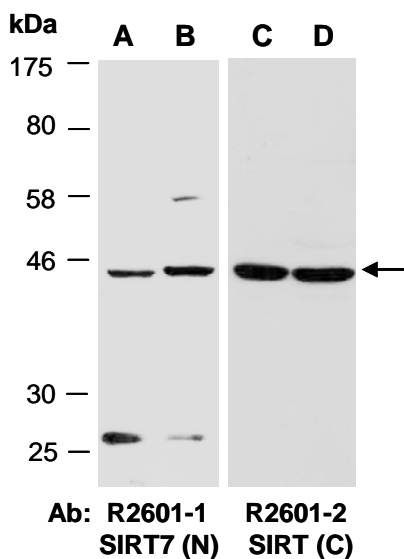


Fig 1. Western blot of total cell extracts from (A, C) human Jurkat, (B, D) human HeLa; using 2 independent Abs against 2 distinct regions of human SIRT7 at RT for 2 h.