

Anti-SIRT3(NAD-dependent deacetylase sirtuin 3) Polyclonal Antibody

Cat. #: 60B662

Description:

SIRT3(NAD-dependent deacetylase sirtuin 3) is a NAD-dependent deacetylase. SIRT3 activates mitochondria and plays an important role in adaptive thermogenesis in brown adipose tissue. Caloric restriction and cold exposure elevate SIRT3 expression in brown adipose to regulate thermogenesis through PGC-1alpha and UCP1.

Sirt3 (NAD-dependent deacetylase sirtuin 3) is strongly expressed in liver and kidney and weakly expressed in lung. Sirt3 (NAD-dependent deacetylase sirtuin 3) contains 1 deacetylase sirtuin-type domain.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of mouse SIRT3(NAD-dependent deacetylase sirtuin 3)

References

Yang, Y.H., et al, Genomics 69 (3), 355-369 (2000)
Shi, T., Wang, F., et al, J. Biol. Chem. 280 (14), 13560-13567 (2005)

Species: mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)