

Anti-SIRT7 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9358-Fluoro647

About SIRT7

SIRT7 is also known as SIR2L7. This gene encodes 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. The protein encoded by this gene is included in class IV of the sirtuin family.

Overview

Product Name	Anti-SIRT7 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9NRC8

Technical Details

Immunogen	E.coli-derived human SIRT7 recombinant protein (Position: R8-G350). Human SIRT7 shares 96% and 95% amino acid (aa) sequence identity with mouse and rat SIRT7, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 33274232, Sun R, Guo M, Fan X, Meng Q, Yuan D, Yang X, Yan K, Deng H. MicroRNA-148b Inhibits the Malignant Biological Behavior of Melanoma by Reducing Sirtuin 7 Expression Levels. Biomed Res Int. 2020 Nov 20;2020:9568976. doi: 10.1155/2020/9568976. PMID: 33274232;

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