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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-PINX1 Antibody Picoband® PE Conjugated

Catalog Number: PB9498-PE

About PINX1

PINX1, also known as PIN2 interacting protein 1, is a telomerase inhibitor and a possible tumor suppressor. It is mapped to 8p23. Over-expression of PINX1 results in decreased telomerase activity, telomere shortening, and induction of crisis. Reduction of PINX1 leads to an increase in telomerase activity and elongation of telomeres. PINX1 differs from other proteins that regulate telomere length in that it acts on telomerase while other proteins adjust telomere length without affecting telomerase activity. The PINX1 budding yeast orthologue Gnop1 inhibits telomerase by isolating the uncomplexed TERT protein so that it cannot associate with the telomerase template RNA, which prevents telomerase from being assembled. However, in humans, PINX1 impedes already assembled telomerase.

Overview

Product Name	Anti-PINX1 Antibody Picoband® PE Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q96BK5

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human PINX1, different from the related mouse and rat sequences by three amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

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Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

Anti-PINX1 Antibody - PE

For Research Use Only. Not for use in diagnostic procedures.