

Anti-PINX1 Antibody Picoband® HRP Conjugated

Catalog Number: PB9498-HRP

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

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| Product Name | Anti-PINX1 Antibody Picoband® HRP Conjugated |
| Reactive Species | Human |
| Application | WB, IHC, ELISA |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | Q96BK5 |

Technical Details

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| 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 | HRP |
| Suggested Dilutions | Western blot, Optimal dilutions should be determined by end users. |

Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.
ELISA, Optimal dilutions should be determined by end users.

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Anti-PINX1 Antibody - HRP

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