# Anti-PinX1 antibody

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| **Description** | Rabbit polyclonal to PinX1. |

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| **Model** | STJ95097 |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Applications** | ELISA, IHC |
| **Immunogen** | Synthesized peptide derived from human PinX1 |
| **Immunogen Region** | 90-170 aa, Internal |
| **Gene ID** | 54984 |
| **Gene Symbol** | PINX1 |
| **Dilution range** | IHC 1:100-1:300ELISA 1:20000 |
| **Specificity** | PinX1 Polyclonal Antibody detects endogenous levels of PinX1 protein. |
| **Tissue Specificity** | Ubiquitous; expressed at low levels. Not detectable in a number of hepatocarcinoma cell lines. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | PIN2/TERF1-interacting telomerase inhibitor 1 Liver-related putative tumor suppressor Pin2-interacting protein X1 Protein 67-11-3 TRF1-interacting protein 1 |
| **Molecular Weight** | 37.035 kDa |

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| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |
| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:30046OMIM:606505 |
| **Alternative Names** | PIN2/TERF1-interacting telomerase inhibitor 1 Liver-related putative tumor suppressor Pin2-interacting protein X1 Protein 67-11-3 TRF1-interacting protein 1 |
| **Function** | Microtubule-binding protein essential for faithful chromosome segregation. Mediates TRF1 and TERT accumulation in nucleolus and enhances TRF1 binding to telomeres. Inhibits telomerase activity. May inhibit cell proliferation and act as tumor suppressor. |
| **Sequence and Domain Family** | The TID (telomerase inhibiting domain) domain is sufficient to bind TERT and inhibit its activity. The TBM domain mediates interaction with TERF1. |
| **Cellular Localization** | Nucleus. Nucleus, nucleolus. Chromosome, telomere. Chromosome, centromere, kinetochore. Localizes in nucleoli, at telomere speckles and to the outer plate of kinetochores. Localization to the kinetochore is mediated by its central region and depends on NDC80 and CENPE. |