

**PINX1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9227c****Specification**

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**PINX1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q96BK5](#)**PINX1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 54984**Other Names**PIN2/TERF1-interacting telomerase inhibitor 1, Liver-related putative tumor suppressor,  
Pin2-interacting protein X1, Protein 67-11-3, TRF1-interacting protein 1, PINX1, LPTL, LPTS**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9227c](/products/AP9227c) was selected from the Center region of human PINX1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PINX1 Antibody (Center) Blocking Peptide - Protein Information****Name** PINX1**Synonyms** LPTL, LPTS**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.

**Cellular Location**Nucleus. Nucleus, nucleolus. Chromosome, telomere. Chromosome, centromere, kinetochore  
Note=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

**Tissue Location**

Ubiquitous; expressed at low levels. Not detectable in a number of hepatocarcinoma cell lines

**PINX1 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**PINX1 Antibody (Center) Blocking Peptide - Images****PINX1 Antibody (Center) Blocking Peptide - Background**

PINX1 (PIN2-interacting protein 1) is a ubiquitously expressed protein that localizes to nucleoli and telomere speckles. It contains a TID (telomerase inhibiting domain) domain which is capable of binding MCRS1, TERT and TERF1 and has been shown to be a potent telomerase inhibitor and putative tumor suppressor.

**PINX1 Antibody (Center) Blocking Peptide - References**

Shen,J., et.al., Cancer Epidemiol. Biomarkers Prev. 19 (1), 219-228 (2010)Yuan,K., et.al., J. Biol. Chem. 284 (34), 23072-23082 (2009)