

## 端粒酶抑制因子 PinX-1 抗体

产品货号： mlR9594

英文名称： PINX-1

中文名称： 端粒酶抑制因子 PinX-1 抗体

别名： 67-11-3 protein; FLJ20565; Hepatocellular carcinoma-related putative tumor suppressor; Liver-related putative tumor suppressor; LPTL; LPTS; MGC8850; PIN2 interacting protein 1; Pin2-interacting protein X1; PIN2/TERF1-interacting telomerase inhibitor 1; PINX1; PINX1\_HUMAN; Protein 67-11-3; TRF1-interacting protein 1.

研究领域： 肿瘤 细胞生物 转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow, Horse,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500

（石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 37kDa

细胞定位： 细胞核

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human PINX-1:65-160/328

**亚 型 :** IgG

**纯化方法 :** affinity purified by Protein A

**储 存 液 :** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**保存条件 :** Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

**PubMed :** PubMed

**产品介绍 :** PINX1 is a ubiquitously expressed protein that localizes to nucleoli and telomere speckles. PINX1 contains one G-patch domain and one telomeric inhibiting domain (TID) at its C-terminus. PINX1 interacts with the telomere protein TRF1 and the telomerase reverse transcriptase TERT. The TID domain of PINX1 specifically interacts with TERT and functions to inhibit its activity, thus participating in the regulation of telomerase activity. Overexpression of PINX1 leads to shortened telomeres, further supporting an inhibitory role of PINX1 on telomerase activity. The depletion of PINX1 significantly increases telomerase activity and may lead to tumorigenicity of cancer cells. This suggests that PINX1 acts as a tumor suppressor and can inhibit cell proliferation. In addition, PINX1 is involved in nucleolar RNA maturation.

**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.

**Subunit:**

Interacts with MCRS1, TERT, TERF1, NCL/nucleolin, and the telomerase RNA.

**Subcellular Location:**

Nucleus.

**Tissue Specificity:**

Ubiquitous; expressed at low levels.

**Similarity:**

Belongs to the PINX1 family.

Contains 1 G-patch domain.

**SWISS:**

Q96BK5

**Gene ID:**

54984

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

