

## 端粒酶相关蛋白 1 抗体

产品货号： mIR1908

英文名称： TEP1

中文名称： 端粒酶相关蛋白 1 抗体

别 名： Telomerase Associated pratein-1; TEP1; TLP1; TP1 TP-1; Telomerase protein component 1; Telomerase protein 1; p240; p80 telomerase homolog; TEP1\_HUMAN; Telomerase associated protein 1; Telomerase protein component 1; TROVE domain family, member 1; TROVE1; VAULT2.

研究领域： 神经生物学 信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 290kDa

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 TP-1:1701-1800/2627

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：** Telomerase is an RNA-dependent DNA polymerase that uses an RNA component to add telomeric repeat sequences at the ends of chromosomes. Besides the RNA component which serves as the template that specifies the telomeric repeat, the telomerase complex contains a reverse transcriptase protein (TRT) and various accessory proteins including the telomerase-associated protein 1 (TEP1). Telomerase activity is low in most somatic cells, causing the gradual shortening of telomeres which can ultimately lead to telomere fusion and cell death. High levels of telomerase activity are widely seen in cancerous cells and while recent experiments have suggested that telomerase may be a viable target in cancer therapy, expression levels of TEP1 do not correlate with malignancy. At least two isoforms of TP1 are known to exist.

**Function:**

Component of the telomerase ribonucleoprotein complex that is essential for the replication of chromosome termini. Also component of the ribonucleoprotein vaults particle, a multi-subunit structure involved in nucleocytoplasmic transport. Responsible for the localizing and stabilizing vault RNA (vRNA) association in the vault ribonucleoprotein particle. Binds to TERC (By similarity).

**Subunit:**

Component of the telomerase holoenzyme complex at least composed of TERT, DKC1, WRAP53/TCAB1, NOP10, NHP2, GAR1, TEP1, EST1A, POT1 and a telomerase RNA template component (TERC).

**Subcellular Location:**

Nucleus (Probable). Telomere.

**Tissue Specificity:**

Ubiquitous.

**Similarity:**

Contains 1 NACHT domain.

Contains 4 TEP1 N-terminal repeats.

Contains 1 TROVE domain.

Contains 21 WD repeats.

**SWISS:**

Q99973

**Gene ID:**

7011

**Important Note:**

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