

# Anti-TOP1MT 兔多克隆抗体

K1345759 -20°C



## 产品信息

蛋白质全称	线粒体 DNA 拓扑异构酶 I
别名	Topoisomerase I mitochondrial, 2900052H09Rik
免疫原	KLH 偶联的小鼠 TOP1MT 合成肽
Uniprot ID	Q8R4U6
抗体亚型	IgG
纯化方式	亲和纯化
预测分子量 / 观测分子量	69 kDa / 66 kDa

## 应用

### WB 免疫印迹

物种：大鼠

稀释比：1: 2000-1: 3000

阳性样品：结肠, 肺

## 背景

Releases the supercoiling and torsional tension of DNA introduced during duplication of mitochondrial DNA by transiently cleaving and rejoining one strand of the DNA duplex. Introduces a single-strand break via transesterification at a target site in duplex DNA. The scissile phosphodiester is attacked by the catalytic tyrosine of the enzyme, resulting in the formation of a DNA-(3'-phosphotyrosyl)-enzyme intermediate and the expulsion of a 5'-OH DNA strand. The free DNA strand then rotates around the intact phosphodiester bond on the opposing strand, thus removing DNA supercoils. Finally, in the religation step, the DNA 5'-OH attacks the covalent intermediate to expel the active-site tyrosine and restore the DNA phosphodiester backbone (By similarity).

## 储存条件

**储存条件：**自收到之日起 -20°C下储存一年，避免反复冻融。  
**储存缓冲液：**含 0.15% ProClin300 防腐剂, 100 μg/mL 牛血清白蛋白和 50%甘油的磷酸盐缓冲液。

## 图像



WB 检测 TOP1MT 蛋白(货号 K1345759).  
 样品: 经 RIPA 裂解液(货号 KSG2002)处理的蛋白质.  
 封闭: 3%脱脂牛奶(货号 KSGC310001)溶于 TBST 溶液,  
 室温孵育 1 小时.  
 一抗: 1: 2000 稀释, 4°C 孵育过夜.  
 二抗: HRP 标记山羊抗兔 IgG (H+L) (货号 KB69909), 1:  
 5000 稀释, 室温孵育 1 小时.

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