

**产品名称: MAP4 Rabbit Polyclonal Antibody**  
**产品货号: APRab13629**



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | MAP4 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody      |
| 宿主 (Host)              | Rabbit                          |
| 应用 (Application)       | WB,ELISA                        |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                 |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| 基因名 (Gene Name)        | MAP4                                                          |
| 别名 (Alternative Names) | Microtubule-associated protein 4 (MAP-4)                      |
| 基因 ID (Gene ID)        | 4134.0                                                        |
| 蛋白 ID (SwissProt ID)   | P27816.Synthesized peptide derived from human MAP4 Polyclonal |

## 产品应用 (Application)

|                          |                                       |
|--------------------------|---------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 121kDa                                |

## 研究背景 (Background)

The protein encoded by this gene is a major non-neuronal microtubule-associated protein. This protein contains a domain

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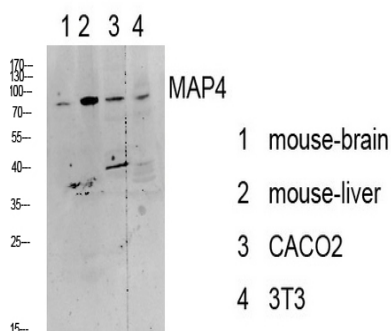


similar to the microtubule-binding domains of neuronal microtubule-associated protein (MAP2) and microtubule-associated protein tau (MAPT/TAU). This protein promotes microtubule assembly, and has been shown to counteract destabilization of interphase microtubule catastrophe promotion. Cyclin B was found to interact with this protein, which targets cell division cycle 2 (CDC2) kinase to microtubules. The phosphorylation of this protein affects microtubule properties and cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008],alternative products:Additional isoforms seem to exist,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Non-neuronal microtubule-associated protein. Promotes microtubule assembly.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR (By similarity). Phosphorylation on Ser-787 negatively regulates MAP4 activity to promote microtubule assembly. Isoform 3 is phosphorylated on Ser-337 and Ser-338.,similarity:Contains 3 Tau/MAP repeats.,similarity:Contains 4 Tau/MAP repeats.,

## 研究领域 (Research Area)

Signal Transduction; Cytoskeleton / ECM; Cytoskeleton; Microtubules; MT Associated Proteins; MAP; Cell Biology; Cell Cycle; Cyclins; Cyclin B Family

## 图片 (Image Data)



Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

## 注意事项 (Note)

For research use only .