

产品名称: EP1 Rabbit Polyclonal Antibody  
产品货号: APRab10491



## 产品概述 (Summary)

|                        |                                |
|------------------------|--------------------------------|
| 产品名称 (Production Name) | EP1 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,Rat,Mouse                |

## 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)        | PTGER1                                                                                                                           |
| 别名 (Alternative Names) | PTGER1; Prostaglandin E2 receptor EP1 subtype; PGE receptor EP1 subtype; PGE2 receptor EP1 subtype; Prostanoid EP1 receptor      |
| 基因 ID (Gene ID)        | 5731.0                                                                                                                           |
| 蛋白 ID (SwissProt ID)   | P34995.The antiserum was produced against synthesized peptide derived from the Internal region of human PTGER1. AA range:191-240 |

## 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) | 44kDa                                 |

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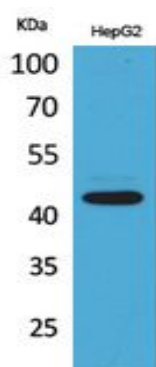
## 研究背景 (Background)

The protein encoded by this gene is a member of the G protein-coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin. [provided by RefSeq, Jul 2008],function:Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(q) proteins which activate a phosphatidylinositol-calcium second messenger system. May play a role as an important modulator of renal function. Implicated the smooth muscle contractile response to PGE2 in various tissues.,PTM:Phosphorylated ,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Abundant in kidney. Lower level expression in lung, skeletal muscle and spleen, lowest expression in testis and not detected in liver brain and heart.,

## 研究领域 (Research Area)

Calcium;Neuroactive ligand-receptor interaction;

## 图片 (Image Data)



Western Blot analysis of HepG2 cells using EP1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

## 注意事项 (Note)

For research use only .