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# CDS2 Rabbit pAb

货号: **AYP17217**

## 产品信息

|       |  |
|-------|--|
| 反应    | Human  |
| 宿主    | Rabbit   |
| 克隆性   | Polyclonal   |
| 预测反应  |  |
| 应用    | WB   |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000  |
| 理论分子量 | 29kDa/51kDa  |
| 实测分子量 | 55kDa  |
| 形式    | Liquid   |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3. |
| 偶联物   | Unconjugated   |
| 阳性对照  | HepG2  |
| 细胞定位  | Matrix side,Mitochondrion inner membrane,Multi-pass membrane protein                                 |
| 纯化    | Affinity purification  |

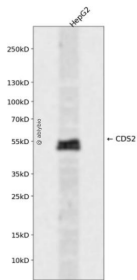
## 抗原信息

|      |   |
|------|---|
| 抗原信息 | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CDS2 (NP_003809.1). |
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## 靶点信息

|       |   |
|-------|---|
| 研究背景  | Breakdown products of phosphoinositides are ubiquitous second messengers that function downstream of many G protein-coupled receptors and tyrosine kinases regulating cell growth, calcium metabolism, and protein kinase C activity. This gene encodes an enzyme which regulates the amount of phosphatidylinositol available for signaling by catalyzing the conversion of phosphatidic acid to CDP-diacylglycerol. This enzyme is an integral membrane protein localized to two subcellular domains, the matrix side of the inner mitochondrial membrane where it is thought to be involved in the synthesis of phosphatidylglycerol and cardiolipin and the cytoplasmic side of the endoplasmic reticulum where it functions in phosphatidylinositol biosynthesis. Two genes encoding this enzyme have been identified in humans, one mapping to human chromosome 4q21 and a second to 20p13. |
| 基因ID  | 8760  |
| 基因名   | CDS2  |
| Swiss | O95674 ( <a href="https://www.uniprot.org/uniprotkb/O95674/entry">https://www.uniprot.org/uniprotkb/O95674/entry</a> )  |
| 别名    | CDS2,CDS2 Rabbit pAb,CDP-DAG synthase 2,CDP-DG synthase 2,CDP-diacylglycerol synthase 2,CDP-diglyceride pyrophosphorylase 2,CDP-diglyceride synthase 2,CTP:phosphatidate cytidyltransferase 2   |

## 产品验证



Western blot analysis of CDS2 expressed in HepG2 using CDS2 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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