

**产品名称: LPD lipase Rabbit Polyclonal Antibody**  
**产品货号: APRab13391**



## 产品概述 (Summary)

|                        |                                       |
|------------------------|---------------------------------------|
| 产品名称 (Production Name) | LPD lipase Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody            |
| 宿主 (Host)              | Rabbit                                |
| 应用 (Application)       | WB,IHC,ICC/IF,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)        | LIPI<br>LIPI; LPDL; PRED5; Lipase member I; LIPI; Cancer/testis antigen 17; CT17; LPD                   |
| 别名 (Alternative Names) | lipase; Membrane-associated phosphatidic acid-selective phospholipase A1-beta; mPA-PLA1 beta            |
| 基因 ID (Gene ID)        | 149998.0                                                                                                |
| 蛋白 ID (SwissProt ID)   | Q6XZB0.The antiserum was produced against synthesized peptide derived from human LIPI. AA range:289-338 |

## 产品应用 (Application)

|                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 53kDa                                                                  |

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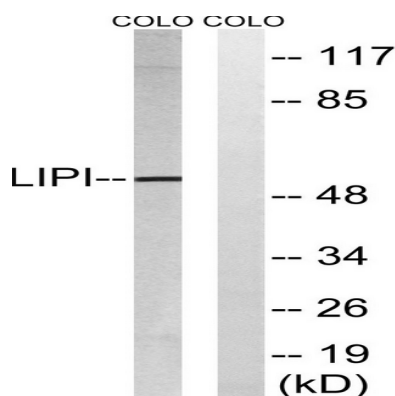


## 研究背景 (Background)

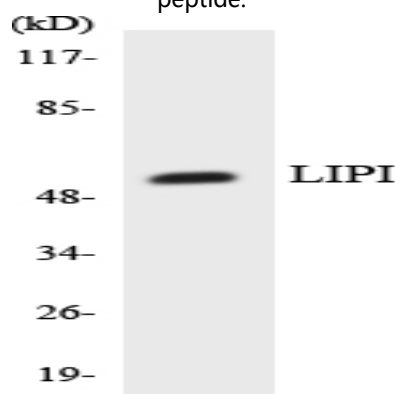
The protein encoded by this gene is a phospholipase that hydrolyzes phosphatidic acid to produce lysophosphatidic acid. Defects in this gene are a cause of susceptibility to familial hypertriglyceridemia. This gene is also expressed at high levels in Ewing family tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],disease:Defects in LIPI may be a cause of susceptibility to familial hypertriglyceridemia [MIM:145750]. Familial hypertriglyceridemia is a common inherited disorder in which the concentration of very low density lipoprotein (VLDL) is elevated in the plasma. This leads to increased risk of heart disease, obesity, and pancreatitis.,enzyme regulation:Inhibited by sodium vanadate.,function:Hydrolyzes specifically phosphatidic acid (PA) to produce lysophosphatidic acid (LPA).,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the AB hydrolase superfamily. Lipase family.,subcellular location:May associate with lipid draft.,subunit:Interacts with heparin with a high affinity.,tissue specificity:Expressed in testis. Expressed exclusively at the connecting piece of the sperm.,

## 研究领域 (Research Area)

## 图片 (Image Data)



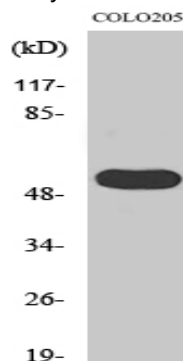
Western blot analysis of lysates from COLO cells, using LIPI Antibody. The lane on the right is blocked with the synthesized peptide.



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Western blot analysis of the lysates from HepG2 cells using LIPI antibody.



Western Blot analysis of various cells using LPD lipase Polyclonal Antibody

#### 注意事项 (Note)

For research use only .