

**产品名称: GPR132 Rabbit Polyclonal Antibody**  
**产品货号: AP Rab11636**



## 产品概述 (Summary)

|                        |                                   |
|------------------------|-----------------------------------|
| 产品名称 (Production Name) | GPR132 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)        | GPR132                                                                                                    |
| 别名 (Alternative Names) | GPR132; G2A; Probable G-protein coupled receptor 132; G2 accumulation protein                             |
| 基因 ID (Gene ID)        | 29933.0                                                                                                   |
| 蛋白 ID (SwissProt ID)   | Q9UNW8.The antiserum was produced against synthesized peptide derived from human GPR132. AA range:311-360 |

## 产品应用 (Application)

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000 |
| 蛋白分子量 (Molecular Weight) | 42kDa                                                                    |

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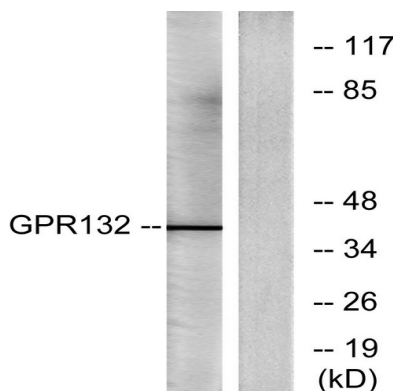
## 研究背景 (Background)

This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein was reported to be a receptor for lysophosphatidylcholine action, but PubMedID: 15653487 retracts this finding and instead suggests this protein to be an effector of lysophosphatidylcholine action. This protein may have proton-sensing activity and may be a receptor for oxidized free fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013], caution: Was originally (PubMed:11474113) thought to be a receptor for lysophosphatidylcholine (LPC) and sphingosylphosphorylcholine (SPC), However, this work has been retracted., function: Receptor for an unknown ligand. Activates a G alpha protein, most likely G alpha(q). May be involved in apoptosis. Functions at the G2/M checkpoint to delay mitosis. May serve as a mechanism for T- and B-cells, and other cell types, to slow their proliferation and repair damaged DNA to ensure proper replication., induction: By stress and DNA-damaging agents., similarity: Belongs to the G-protein coupled receptor 1 family., subcellular location: Internalized and accumulated in endosomal compartments. LPC triggers the relocalization from the endosomal compartment to the cell surface., tissue specificity: Highly expressed in macrophages and hematopoietic tissues rich in lymphocytes, like spleen and thymus. Weakly expressed in heart and lung. In atherosclerotic plaques, expression is observed around the lipid core and at the shoulder region.,

## 研究领域 (Research Area)

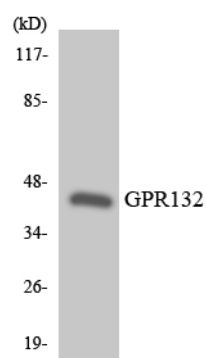
Signal Transduction

## 图片 (Image Data)



Western blot analysis of lysates from Jurkat cells, using GPR132 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HT-29 cells using GPR132 antibody.

### 注意事项 (Note)

For research use only .