

**产品名称: InsP 3-kinase C Rabbit Polyclonal Antibody**  
**产品货号: AP Rab12630**



## 产品概述 (Summary)

|                        |                                            |
|------------------------|--------------------------------------------|
| 产品名称 (Production Name) | InsP 3-kinase C 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)        | ITPKC                                                                                                                              |
| 别名 (Alternative Names) | ITPKC; IP3KC; Inositol-trisphosphate 3-kinase C; Inositol 1; 4,5-trisphosphate 3-kinase C; IP3 3-kinase C; IP3K C; InsP 3-kinase C |
| 基因 ID (Gene ID)        | 80271.0                                                                                                                            |
| 蛋白 ID (SwissProt ID)   | Q96DU7.The antiserum was produced against synthesized peptide derived from human IP3KC. AA range:221-270                           |

## 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) | 102kDa                                                                 |

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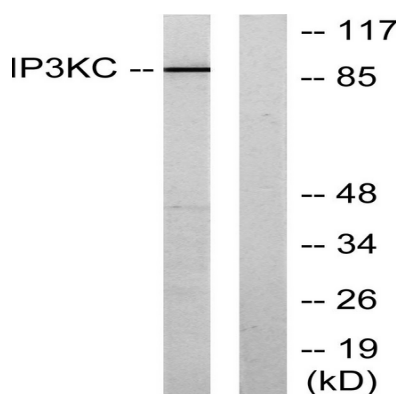


## 研究背景 (Background)

This gene encodes a member of the inositol 1,4,5-trisphosphate [Ins(1,4,5)P(3)] 3-kinase family of enzymes that catalyze the phosphorylation of inositol 1,4,5-trisphosphate to 1,3,4,5-tetrakisphosphate. The encoded protein is localized to the nucleus and cytoplasm and has both nuclear import and nuclear export activity. Single nucleotide polymorphisms in this gene are associated with Kawasaki disease.[provided by RefSeq, Sep 2009],catalytic activity:ATP + 1D-myo-inositol 1,4,5-trisphosphate = ADP + 1D-myo-inositol 1,3,4,5-tetrakisphosphate.,disease:Genetic variations in ITPKC influence susceptibility to Kawasaki disease [MIM:611775]; also known as mucocutaneous lymph node syndrome or infantile polyarteritis. Kawasaki disease is an acute, self-limited vasculitis of infants and children characterized by prolonged fever unresponsive to antibiotics, polymorphous skin rash, erythema of the oral mucosa, lips, and tongue, erythema of the palms and soles, bilateral conjunctival injection, and cervical lymphadenopathy. Coronary artery aneurysms develop in 15 to 25% of those left untreated, making Kawasaki disease the leading cause of acquired heart disease among children in developed countries.,enzyme regulation:Activated by calcium/calmodulin. Inhibited by high concentrations of the substrate Ins(1,2,4)P3, and allosterically activated by the product Ins(1,3,4,5)P4.,function:Can phosphorylate inositol 2,4,5-triphosphate to inositol 2,4,5,6-tetraphosphate.,similarity:Belongs to the inositol phosphokinase (IPK) family.,subcellular location:Shuttles actively between nucleus and cytoplasm with both nuclear import and nuclear export activity.,tissue specificity:Highly expressed in pancreas, skeletal muscle, liver, placenta and weakly in kidney and brain.,

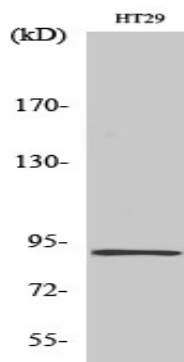
## 研究领域 (Research Area)

## 图片 (Image Data)

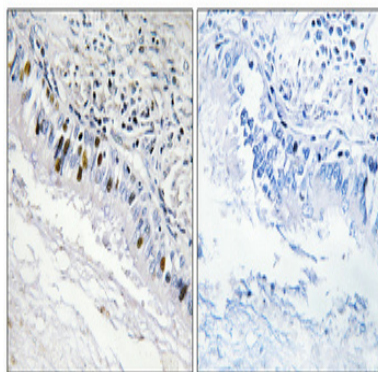


Western blot analysis of lysates from HT-29 cells, using IP3KC Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using InsP 3-kinase C Polyclonal Antibody diluted at 1 : 2000



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°, overnight) .  
High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

### 注意事项 (Note)

For research use only .