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## Summary

|                        |                                 |
|------------------------|---------------------------------|
| <b>Production Name</b> | IPMK Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody      |
| <b>Host</b>            | Rabbit                          |
| <b>Application</b>     | WB,ELISA                        |
| <b>Reactivity</b>      | Human,Mouse,Rat,Monkey          |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Polyclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | IPMK  |
| <b>Alternative Names</b> | IPMK; IMPK; Inositol polyphosphate multikinase; Inositol 1; 3,4,6-tetrakisphosphate 5-kinase            |
| <b>Gene ID</b>           | 253430.0  |
| <b>SwissProt ID</b>      | Q8NFU5.The antiserum was produced against synthesized peptide derived from human IPMK. AA range:311-360 |

## Application

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500 - 1:2000. ELISA: 1:40000 |
| <b>Molecular Weight</b> | 47kD                              |

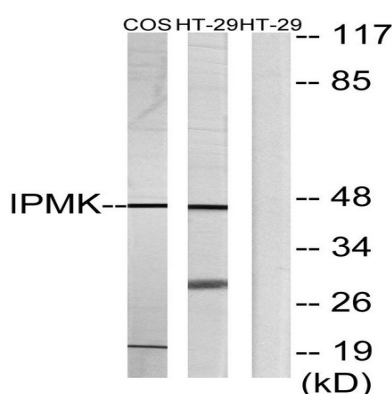
## Background

This gene encodes a member of the inositol phosphokinase family. The encoded protein has 3-kinase, 5-kinase and 6-kinase activities on phosphorylated inositol substrates. The encoded protein plays an important role in the biosynthesis of inositol 1,3,4,5,6-pentakisphosphate, and has a preferred 5-kinase activity. This gene may play a role in nuclear mRNA export. Pseudogenes of this gene are located on the long arm of chromosome 13 and the short arm of chromosome 19. [provided by RefSeq, Dec 2010],catalytic activity:ATP + 1D-myo-inositol 1,4,5,6-tetrakisphosphate = ADP + 1D-myo-inositol 1,3,4,5,6-pentakisphosphate.,catalytic activity:ATP + 1D-myo-inositol 1,4,5-trisphosphate = ADP + 1D-myo-inositol 1,4,5,6-tetrakisphosphate.,function:Inositol phosphate kinase with a broad substrate specificity. Has a preference for inositol-1,4,5-trisphosphate (Ins(1,4,5)P3) and inositol 1,3,4,6-tetrakisphosphate (Ins(1,3,4,6)P4).,similarity:Belongs to the inositol phosphokinase (IPK) family.,tissue specificity:Ubiquitous, with the highest expression in skeletal muscle, liver, placenta, lung, peripheral blood leukocytes, kidney, spleen and colon.,

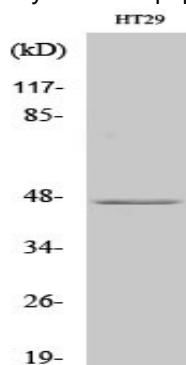
## Research Area

Inositol phosphate metabolism;

## Image Data



Western blot analysis of lysates from HT-29 and COS7 cells, using IPMK Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using IPMK Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and

**Product Name: IPMK Rabbit Polyclonal Antibody**  
**Catalog #: APRab12705**



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Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

**Note**

For research use only.