

IPMK Polyclonal Antibody

Catalog No: YT2384

Reactivity: Human; Mouse; Rat; Monkey

Applications: WB;IHC;IF;ELISA

Target: IPMK

Fields: >>Inositol phosphate metabolism;>>Metabolic pathways;>>Phosphatidylinositol

signaling system

Gene Name: IPMK

Protein Name: Inositol polyphosphate multikinase

Q8NFU5

Q7TT16

Human Gene Id: 253430

Human Swiss Prot

No:

Mouse Gene Id: 69718

Mouse Swiss Prot

No:

Rat Gene Id: 171458

Rat Swiss Prot No: Q99NI4

Immunogen: The antiserum was produced against synthesized peptide derived from human

IPMK. AA range:311-360

Specificity: IPMK Polyclonal Antibody detects endogenous levels of IPMK protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

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Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 47kD

Cell Pathway : Inositol phosphate metabolism;

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],

Function: 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.,

Subcellular Location :

ılar Nucleus .

Expression: Ubiquitous, with the highest expression in skeletal muscle, liver, placenta, lung,

peripheral blood leukocytes, kidney, spleen and colon.

Tag: hot

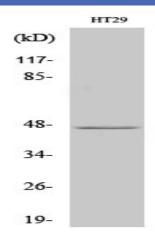
Sort : 8644

No4: 1

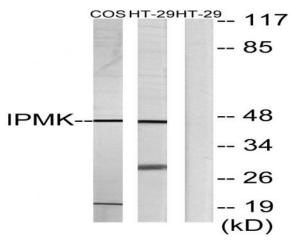
Host: Rabbit

Modifications: Unmodified

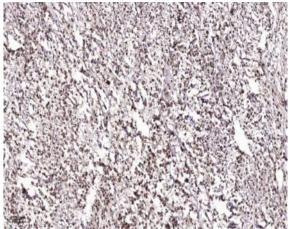
Products Images



Western Blot analysis of various cells using IPMK Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



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.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).