



IPMK Polyclonal Antibody

Catalog No	YP-Ab-14794
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	IPMK
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IMPk;IPMK;Inositol polyphosphate multikinase;Inositol 1,3,4,6-tetrakisphosphate 5-kinase
Observed Band	47kD
Calculated Molecular Weight	47kD
Cell Pathway	Nucleus .
Tissue Specificity	Ubiquitous, with the highest expression in skeletal muscle, liver, placenta, lung, peripheral blood leukocytes, kidney, spleen and colon.
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.,

**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],

matters needing attention

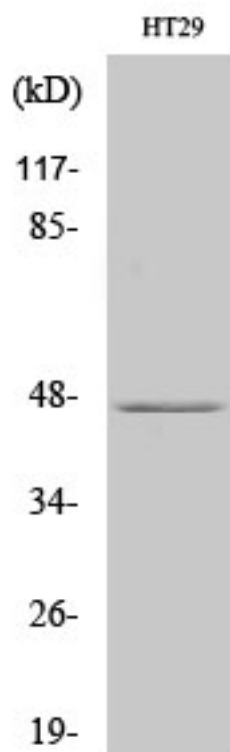
Avoid repeated freezing and thawing!

Usage suggestions

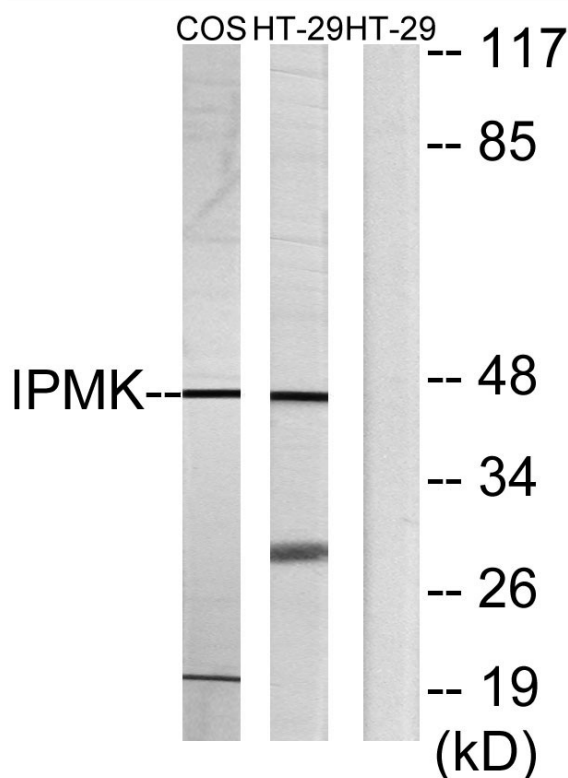
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



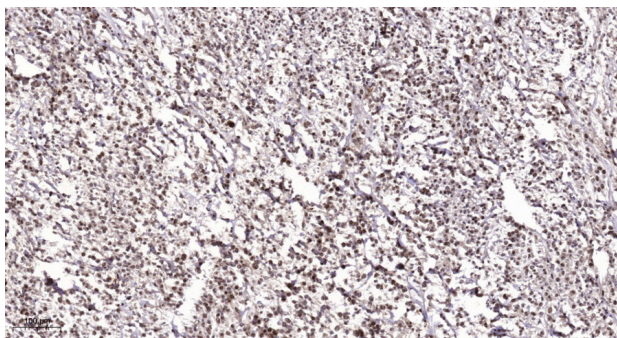
Products Images



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).