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## Datasheet for ABIN1714387 **anti-IPMK antibody (AA 101-200)**

### Overview

Quantity:	100 µL
Target:	IPMK
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IPMK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IPMK
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	IPMK
Alternative Name:	IPMK ( <a href="#">IPMK Products</a> )

## Target Details

**Background:** Synonyms: 6-tetrakisphosphate 5-kinase, Inositol 1, Inositol 1,3,4,6 tetrakisphosphate 5 kinase, Inositol polyphosphate multikinase, Ipmk, IPMK\_HUMAN

Background: Inositol polyphosphate multikinase (IPMK) belongs to the inositol phosphokinase (IPK) family and is characterized as having a broad substrate specificity. However, IPMK displays 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). IPMK is ubiquitously expressed with the highest expression in skeletal muscle, liver, placenta, lung, peripheral blood leukocytes, kidney, spleen and colon. IPMK is localized to the nucleus, where it may play a role in the regulation of calcium release from intracellular stores and has been implicated as a drug target for cancer therapies. The gene encoding IPMK maps to human chromosome 10, which contains over 800 genes. Notably, disorders linked to genes on chromosome 10 include Cowden syndrome, Cockayne syndrome and Tetrahydrobiopterin deficiency.

**Gene ID:** 253430

**Pathways:** [Tube Formation](#)

## Application Details

**Application Notes:** WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

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	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months