

## IPPK polyclonal antibody

Catalog: BS61524

Host: Rabbit

Reactivity: Human, Mouse

### BackGround:

IPPK (Inositol-pentakisphosphate 2-kinase) is a 491 amino acid gene product that belongs to the IPK1 type 2 family. IPPK expresses the conserved EXKPK motif which is found in both inositol-pentakisphosphate 2-kinase families 1 and 2. The primary function of IPPK has been found to be the ATP dependent phosphorylation of Ins(1,3,4,5,6)P5 at position 2 to form Ins(1,2,3,4,5,6)P6 (InsP6 or phytate). In plants, phytic acid (myo-inositol hexakisphosphate, InsP6) is an important molecule for phosphate storage and signaling. Mutation of the InsP6 gene can cause plants to be of greater susceptibility to many viral pathogens. In mice, InsP6 is believed to influence endocytosis and mRNA export. Homozygous mutations of the IPPK gene will prevent yolk sac development, indicating the importance of this gene product. IPPK is a ubiquitously expressed protein with highest expression found in heart, testis and brain.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 56 kDa

### Swiss-Prot:

Q9H8X2

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

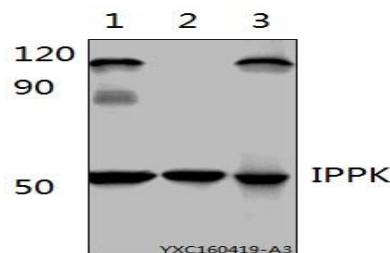
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

IPPK polyclonal antibody detects endogenous levels of IPPK protein.

### DATA:



Western blot (WB) analysis of IPPK polyclonal antibody at 1:500 dilution

Lane1:HCT-116 whole cell lysate(40µg)

Lane2:SK-OVCAR3 whole cell lysate (40µg)

Lane3: BV2 whole cell lysate (50µg)

### Note:

For research use only, not for use in diagnostic procedure.

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