

# ITPKB Rabbit pAb

Catalog No.: A3929

## Basic Information

### Observed MW

102kDa

### Calculated MW

102kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this protein regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P<sub>4</sub>. The activity of this encoded protein is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity.

## Recommended Dilutions

WB 1:200 - 1:2000

## Immunogen Information

### Gene ID

3707

### Swiss Prot

P27987

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human ITPKB (NP\_002212.3).

### Synonyms

IP3K; IP3KB; PIG37; IP3K-B; IP3-3KB; ITPKB

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

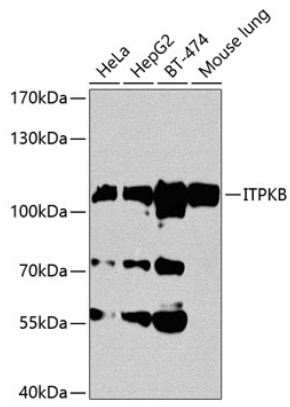
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using ITPKB antibody (A3929) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.