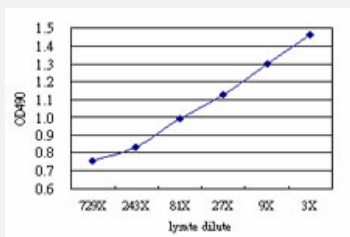


# ITPKB (Human) Matched Antibody Pair

Catalog # H00003707-AP51

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from approximately 81x to 3x dilution of the ITPKB 293T overexpression lysate (non-denatured).

## Specification

### Product Description

This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human ITPKB.

### Reactivity

Human

### Quality Control Testing

Standard curve using ITPKB 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 81x to 3x dilution of the ITPKB 293T overexpression lysate (non-denatured).

### Supplied Product

Antibody pair set content:  
 1. Capture antibody: mouse monoclonal anti-ITPKB (100 ug)  
 2. Detection antibody: rabbit purified polyclonal anti-ITPKB (50 ug)  
 \*Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.

### Storage Instruction

Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

## Gene Info — ITPKB

Entrez GeneID	<a href="#">3707</a>
Gene Name	ITPKB
Gene Alias	IP3K, IP3K-B, IP3KB, PIG37
Gene Description	inositol 1,4,5-trisphosphate 3-kinase B
Omim ID	<a href="#">147522</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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)P4. The activity of this encoded p rotein 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. [provided by RefSeq]
Other Designations	1D-myo-inositol-trisphosphate 3-kinase B IP3 3-kinase OTTHUMP00000035705 proliferation-ind ucing protein 37

## Pathway

- [Calcium signaling pathway](#)
- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)