

For Research Use Only

# IP6K2 Polyclonal antibody

Catalog Number: 13155-1-AP



## Basic Information

<b>Catalog Number:</b> 13155-1-AP	<b>GenBank Accession Number:</b> BC019694	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 167 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51447	<b>Recommended Dilutions:</b> WB 1:500-1:3600 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UHH9	
<b>Isotype:</b> IgG	<b>Full Name:</b> inositol hexakisphosphate kinase 2	
<b>Immunogen Catalog Number:</b> AG3786	<b>Calculated MW:</b> 426 aa, 49 kDa	
	<b>Observed MW:</b> 49 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : human adrenal gland tissue, human heart tissue, K-562 cells

IHC : human liver cancer tissue,

## Background Information

IP6K2 (Inositol hexakisphosphate kinase 2) is also named as IHPK2, PiUS and belongs to the inositol phosphokinase (IPK) family. It converts inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5) and mediates apoptotic cell death via its translocation from the nucleus to the cytoplasm (PMID:21652713). IP6K2 regulates TP53 and protein kinase AKT signaling, and its aberrant increase in cells has been implicated in apoptosis and INS resistance (PMID:21262846). It has 6 isoforms produced by alternative splicing. This antibody recognizes the others except the 8 kDa isoform of IP6K2.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

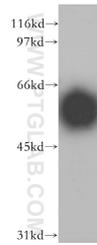
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

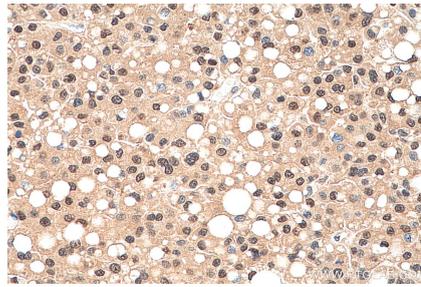
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



human adrenal gland tissue were subjected to SDS PAGE followed by western blot with 13155-1-AP (IP6K2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13155-1-AP (IP6K2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).