

For Research Use Only

IP6K2 Polyclonal antibody

Catalog Number: 13155-1-AP



Basic Information

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

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : human adrenal gland tissue, human heart tissue, K-562 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver cancer tissue,

Background Information

IP6K2(Inositol hexakisphosphate kinase 2) is also named as IHPIK2, 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

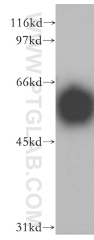
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

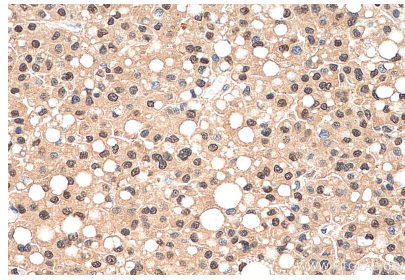
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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).