

For Research Use Only

ITPKC Polyclonal antibody

Catalog Number: 14267-1-AP



Basic Information

Catalog Number: 14267-1-AP	GenBank Accession Number: BC060788	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 307 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80271	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: inositol 1,4,5-trisphosphate 3-kinase C	IHC 1:50-1:500 IF 1:20-1:200
Isotype: IgG	Calculated MW: 75 kDa	
Immunogen Catalog Number: AG5583	Observed MW: 100-105 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Species Specificity: human	WB : MDA-MB-453s cells, human heart tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IP : HepG2 cells,
	IHC : human breast cancer tissue, human heart tissue, human lymphoma tissue
	IF : HepG2 cells,

Background Information

ITPKC (Inositol-trisphosphate 3-kinase C) is also named as IP3KC and belongs to the inositol phosphokinase (IPK) family. It can phosphorylate inositol 2,4,5-triphosphate to inositol 2,4,5,6-tetraphosphate and is relatively weakly activated by the calcium-calmodulin complex. ITPKC also acts as a negative regulator of T-cell activation through the Ca(2+)/NFAT signaling pathway, and the C allele may contribute to immune hyperreactivity in Kawasaki disease (PMID:17160344).

Storage

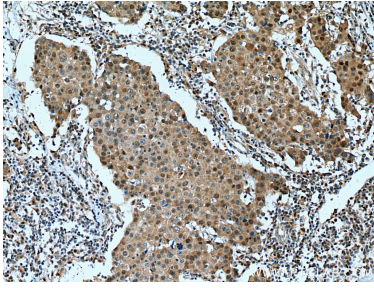
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

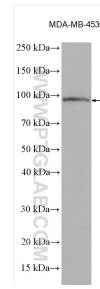
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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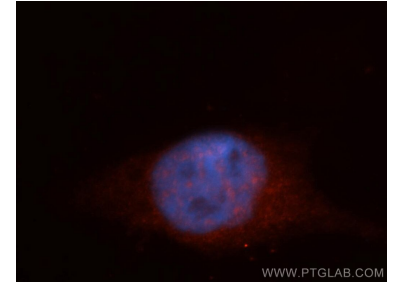
Selected Validation Data



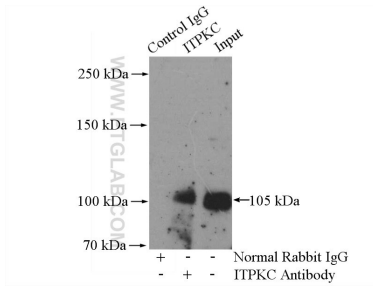
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14267-1-AP (ITPKC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with 14267-1-AP (ITPKC antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using ITPKC antibody 14267-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-ITPKC (IP:14267-1-AP, 4ug; Detection:14267-1-AP 1:400) with HepG2 cells lysate 1600ug.