

Anti-ITPKC Antibody

Catalog # AP60118

Product Information

Application	WB, IHC
Primary Accession	Q96DU7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75207

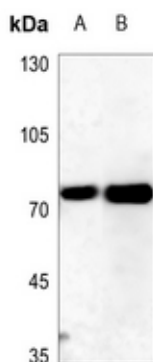
Additional Information

Gene ID	80271
Other Names	IP3KC; Inositol-trisphosphate 3-kinase C; Inositol 1, 4, 5-trisphosphate 3-kinase C; IP3 3-kinase C; IP3K C; InsP 3-kinase C
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ITPKC. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

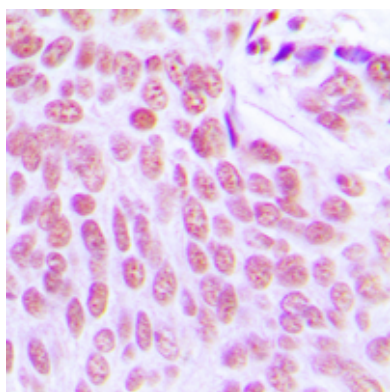
Protein Information

Name	ITPKC (HGNC:14897)
Synonyms	IP3KC
Function	Catalyzes the phosphorylation of 1D-myo-inositol 1,4,5- trisphosphate (InsP3) into 1D-myo-inositol 1,3,4,5-tetrakisphosphate and participates to the regulation of calcium homeostasis (PubMed: 11085927 , PubMed: 12747803). Can phosphorylate inositol 2,4,5- triphosphate to inositol 2,4,5,6-tetraphosphate (By similarity).
Cellular Location	Nucleus. Cytoplasm. Note=Shuttles actively between nucleus and cytoplasm with both nuclear import and nuclear export activity {ECO:0000250 UniProtKB:Q80ZG2}
Tissue Location	Highly expressed in pancreas, skeletal muscle, liver, placenta and weakly in kidney and brain

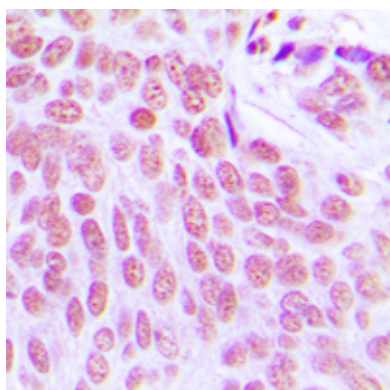
Images



Western blot analysis of ITPKC expression in A375 (A), DLD (B) whole cell lysates. (Predicted band size: 75 kD; Observed band size: 75 kD)



Immunohistochemical analysis of ITPKC staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.