

InsP 3-kinase C Polyclonal Antibody

Catalog # AP70537

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q96DU7
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75207

Additional Information

Gene ID	80271
Other Names	ITPKC; IP3KC; Inositol-trisphosphate 3-kinase C; Inositol 1; 4, 5-trisphosphate 3-kinase C; IP3 3-kinase C; IP3K C; InsP 3-kinase C
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

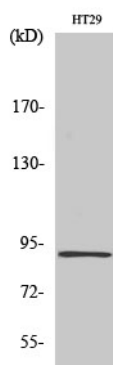
Protein Information

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

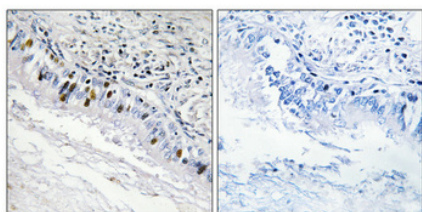
Background

Can phosphorylate inositol 2,4,5-triphosphate to inositol 2,4,5,6-tetraphosphate.

Images



Western Blot analysis of various cells using InsP 3-kinase C Polyclonal Antibody diluted at 1 : 2000



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

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