

InsP 3-kinase C Polyclonal Antibody
Catalog # AP70537**Specification**

InsP 3-kinase C Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q96DU7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

InsP 3-kinase C Polyclonal Antibody - 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~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

InsP 3-kinase C Polyclonal Antibody - 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-tetrakisphosphate (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

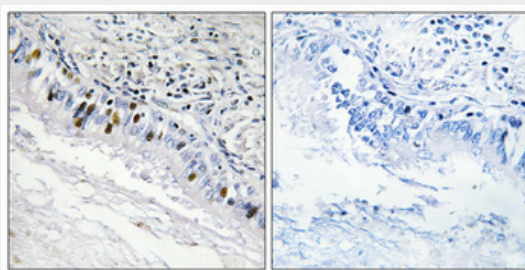
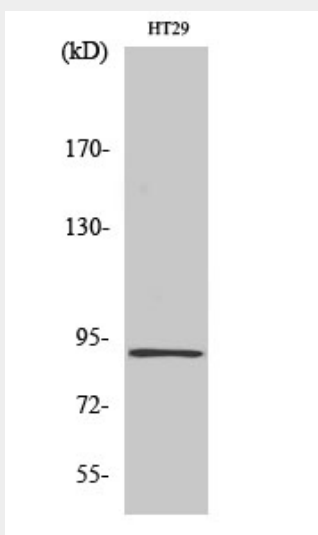
Highly expressed in pancreas, skeletal muscle, liver, placenta and weakly in kidney and brain

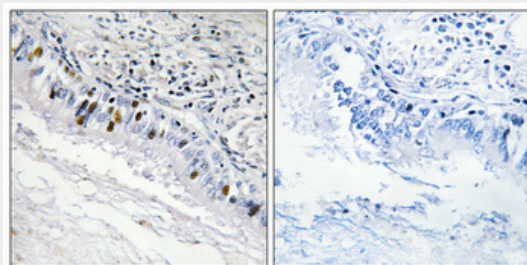
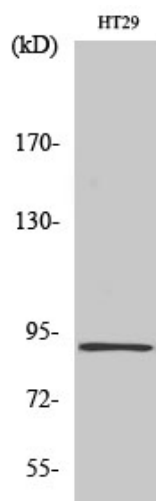
InsP 3-kinase C Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

InsP 3-kinase C Polyclonal Antibody - Images





InsP 3-kinase C Polyclonal Antibody - Background

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