

IP3KC Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2873a**Specification**

IP3KC Antibody (internal region) - Product Information

Application	WB
Primary Accession	O96DU7
Other Accession	NP_079470.1 , 80271
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	75207

IP3KC Antibody (internal region) - Additional Information**Gene ID** 80271**Other Names**

Inositol-trisphosphate 3-kinase C, 2.7.1.127, Inositol 1, 4, 5-trisphosphate 3-kinase C, IP3 3-kinase C, IP3K C, InsP 3-kinase C, ITPKC, IP3KC

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IP3KC Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

IP3KC Antibody (internal region) - 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-tetrphosphate (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}

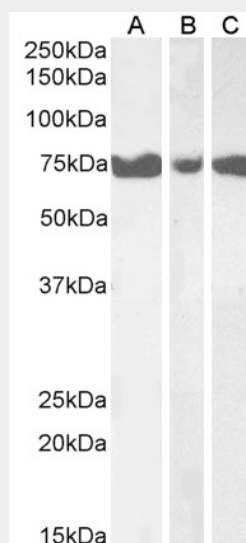
Tissue Location

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

IP3KC Antibody (internal region) - 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](#)

IP3KC Antibody (internal region) - Images

Antibody (1 μ g/ml) staining of Human Pancreas (A), Heart (B) and Skeletal Muscle (C) lysates (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

IP3KC Antibody (internal region) - References

ITPKC functional polymorphism associated with Kawasaki disease susceptibility and formation of coronary artery aneurysms. Onouchi Y, Gunji T, Burns JC, Shimizu C, Newburger JW, Yashiro M, Nakamura Y, Yanagawa H, Wakui K, Fukushima Y, Kishi F, Hamamoto K, Terai M, Sato Y, Ouchi K, Saji T, Nariai A, Kaburagi Y, Yoshikawa T, Suzuki K, Tanaka T, Nagai T, Cho H, Fujino A, Sekine Nat Genet. 2008 Jan;40(1):35-42. Epub 2007 Dec 16. PMID: 18084290