

Datasheet

ITPKC polyclonal antibody

Catalog Number: PAB15634

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised against synthetic peptide of ITPKC.

Immunogen: A synthetic peptide corresponding to amino acids at internal region of human ITPKC.

Sequence: C-ETERPKQKTEPDRSS

Host: Goat

Theoretical MW (kDa): 75.2

Reactivity: Human

Applications: ELISA, WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Approximately 75 KDa band observed in human pancreas lysates (calculated MW of 75.2 KDa according to NP_079470.1).

Form: Liquid

Purification: Antigen affinity purification

Concentration: 0.5 mg/mL

Recommend Usage: ELISA (1:2000)

Western Blot (1-3 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction: Store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 80271

Gene Symbol: ITPKC

Gene Alias: IP3KC

Gene Summary: This gene encodes a member of the inositol 1,4,5-trisphosphate [Ins(1,4,5)P(3)] 3-kinase family of enzymes that catalyze the phosphorylation of inositol 1,4,5-trisphosphate to 1,3,4,5-tetrakisphosphate. The encoded protein is localized to the nucleus and cytoplasm and has both nuclear import and nuclear export activity. Single nucleotide polymorphisms in this gene are associated with Kawasaki disease]

References:

1. 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 A, Nakamichi R, Tsunoda T, Kawasaki T, Nakamura Y, Hata A. Nat Genet. 2008 Jan;40(1):35-42. Epub 2007 Dec 16.