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Rabbit Anti-IP3KC antibody

SL18183R

Product Name:	IP3KC
Chinese Name:	IP3KC蛋白抗体
Alias:	5-trisphosphate 3-kinase C; Inositol 1; inositol 1,4,5 trisphosphate 3 kinase C; Inositol trisphosphate 3 kinase C; Inositol-trisphosphate 3-kinase C; InsP 3 kinase C; InsP 3-kinase C; IP3 3-kinase C; IP3 3KC; IP3K C; IP3KC; IP3KC_HUMAN; Itpkc.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	75kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IP3KC:351-450/683
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.[provided by RefSeq,

Sep 2009]

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

Subcellular Location:
Nucleus. Cytoplasm. Shuttles actively between nucleus and cytoplasm with both nuclear import and nuclear export activity.

Tissue Specificity:
Highly expressed in pancreas, skeletal muscle, liver, placenta and weakly in kidney and brain.

DISEASE:
Defects in ITPKC are a cause of Kawasaki disease (KWD) [MIM:611775]; also known as mucocutaneous lymph node syndrome or infantile polyarteritis. Kawasaki disease is an acute, self-limited vasculitis of infants and children characterized by prolonged fever unresponsive to antibiotics, polymorphous skin rash, erythema of the oral mucosa, lips, and tongue, erythema of the palms and soles, bilateral conjunctival injection, and cervical lymphadenopathy. Coronary artery aneurysms develop in 15 to 25% of those left untreated, making Kawasaki disease the leading cause of acquired heart disease among children in developed countries.

Similarity:
Belongs to the inositol phosphokinase (IPK) family.

SWISS:
Q96DU7

Gene ID:
80271

Database links:

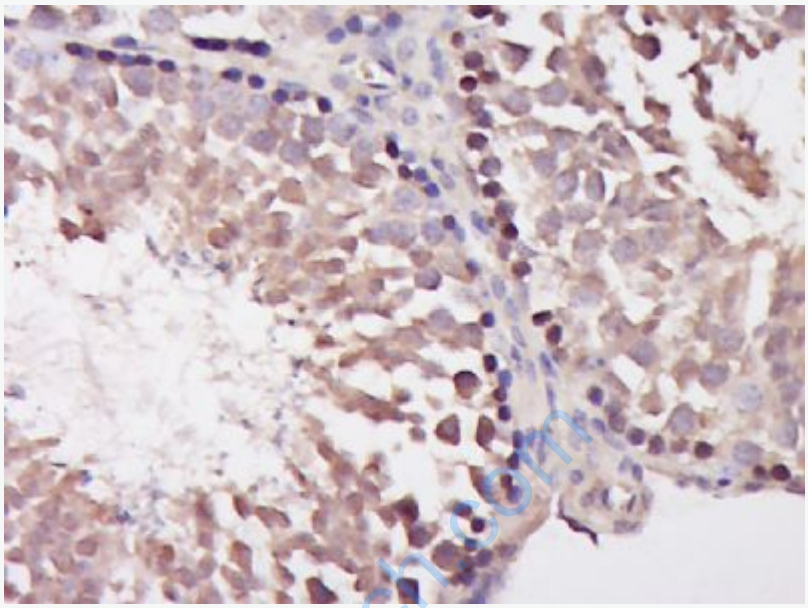
Entrez Gene: 80271 Human

Omim: 606476 Human

SwissProt: Q96DU7 Human

Unigene: 515415 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IP3KC) Polyclonal Antibody, Unconjugated (SL18183R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.