

Rabbit anti-Human ITPKC Polyclonal Antibody | anti-ITPKC antibody

ITPKC Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284695	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ITPKC; Polyclonal Antibody; ITPKC Antibody (N-term); Inositol-trisphosphate 3-kinase C; Inositol 1; 5-trisphosphate 3-kinase C; IP3 3-kinase C; IP3K C; InsP 3-kinase C; IP3KC; anti-ITPKC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ITPKC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-117 amino acids from the N-terminal region of human ITPKC.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	89-117
Sequence Length	683
Applicable Applications for anti-ITPKC antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

ITPKC Antibody (N-term) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human skeletal muscle reacted with ITPKC Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of ITPKC Antibody (N-term) in HepG2 cell line lysates (35ug/lane).
ITPKC (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ITPKC antibody	ITPKC 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.
Product Categories/Family for anti-ITPKC antibody	Signal Transduction
References	Chi,H. Hum. Mol. Genet. 19 (6), 1147-1151 (2010) Onouchi,Y. Nat. Genet. 40 (1), 35-42 (2008) Nalaskowski,M.M. Biol. Chem. 387 (5), 583-593 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18643383
NCBI GeneID	80271
NCBI Accession #	NP_079470.1
NCBI GenBank Nucleotide #	NM_025194.2
UniProt Accession #	Q96DU7; Q9UE25; Q9Y475
Molecular Weight	75207
NCBI Official Full Name	inositol-trisphosphate 3-kinase C
NCBI Official Synonym Full Names	inositol-trisphosphate 3-kinase C
NCBI Official Symbol	ITPKC
NCBI Official Synonym Symbols	IP3KC; IP3-3KC
NCBI Protein Information	inositol-trisphosphate 3-kinase C
UniProt Protein Name	Inositol-trisphosphate 3-kinase C
UniProt Gene Name	ITPKC
UniProt Synonym Gene Names	IP3KC; IP3 3-kinase C; IP3K C; InsP 3-kinase C
UniProt Entry Name	IP3KC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/itpkc-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284695>