

Rabbit ITPK1 Polyclonal Antibody | anti-ITPK1 antibody

ITPK1 Antibody

CATALOG # AAA225392	HOST Rabbit	APPLICATIONS Western Blot, Immunocytochemistry, Immunofluorescence
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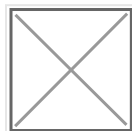
PRODUCT SYNONYMS

ITPK1; Polyclonal Antibody; ITPK1 Antibody; Affinity Purified Rabbit Polyclonal ITPK1 Antibody; Polyclonal ITPK1 antibody; Anti-ITPK1 antibody; ITPK 1 antibody; ITPK-1 antibody; inositol 1 3 4-trisphosphate 5/6-kinase antibody; ITPK 1; inositol 1 3 4-trisphosphate 5/6 kinase antibody; ITPK-1; inositol 1 3 4-triphosphate 5/6 kinase antibody; ITPK1 antibody; ITRPK1 antibody; inositol-tetrakisphosphate 1-kinase antibody; anti-ITPK1 antibody

PRODUCT SPECIFICATIONS

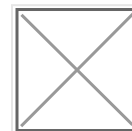
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen-Affinity Chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.53 mg/ml (varies by lot)
Sequence Length	444
Applicable Applications for anti-ITPK1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence)
Immunogen	ITPK1 antibody was raised in rabbit using a recombinant protein fragment contain a sequence corresponding to a region within amino acids 171 and 395 of ITPK1
Cross-Reactivity	Human, Mouse
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



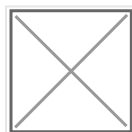
IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using ITPK1 antibody at 1:200 dilution.



WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: A431) using a 10% SDS PAGE gel and ITPK1 antibody at a dilution of 1:1000



WB (Western Blot)

Western blot analysis of 50 ug of whole cell lysate (A: Mouse brain) using a 10% SDS PAGE gel and ITPK1 antibody at a dilution of 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-ITPK1 antibody	Kinase that can phosphorylate various inositol polyphosphate such as InsP4 or InsP3. Phosphorylates InsP4 at position 1 to form InsP5. This reaction is thought to have regulatory importance, since InsP4 is an inhibitor of plasma membrane Ca-activated Cl channels, while InsP5 is not. Also phosphorylates InsP3 on O-5 and O-6 to form InsP4, an essential molecule in the hexakisphosphate pathway. Also acts as an inositol polyphosphate phosphatase that dephosphorylate InsP4 and InsP4 to InsP3, and InsP5 to InsP4. May also act as an isomerase that interconverts the inositol tetrakisphosphate isomers InsP4 and InsP4 in the presence of ADP and magnesium. Probably acts as the rate-limiting enzyme of the InsP6 pathway. Modifies TNF-alpha-induced apoptosis by interfering with the activation of TNFRSF1A-associated death domain.
Product Categories/Family for anti-ITPK1 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	34193614
NCBI GeneID	3705
Molecular Weight	46 kDa
NCBI Official Full Name	ITPK1 protein, partial
NCBI Official Synonym Full Names	inositol-tetrakisphosphate 1-kinase
NCBI Official Symbol	ITPK1
NCBI Official Synonym Symbols	ITRPK1
NCBI Protein Information	inositol-tetrakisphosphate 1-kinase

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/itpk1-antibody-western-blot-immunocytochemistry-immunofluorescence-elisa/225392>