

Rabbit anti-Human, Mouse ITPK1 Polyclonal Antibody | anti-ITPK1 antibody

ITPK1 Antibody

CATALOG # AAA230960	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

ITPK1; Polyclonal Antibody; ITPK1 Antibody; Inositol-tetrakisphosphate 1-kinase; Inositol 1; 3; 4-trisphosphate 5/6-kinase; Inositol-triphosphate 5/6-kinase; Ins(1,4)P(3) 5/6-kinase; anti-ITPK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	414
Applicable Applications for anti-ITPK1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Inositol-tetrakisphosphate 1-kinase protein (C-230AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-164713 / sc-164711
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta tissue using AAA230960 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver tissue using AAA230960 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: ITPK1antibody at 3.58ug/mlLane 1 : Hela whole cell lysateLane 2 : HepG-2 whole cell lysateLane 3 : Mouse gonadal tissueLane 4 : A431 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 46,36 kDaObserved band size: 46 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ITPK1 antibody	Kinase that can phosphorylate various inositol polyphosphate such as Ins(3,4,5,6)P4 or Ins(1,3,4)P3. Phosphorylates Ins(3,4,5,6)P4 at position 1 to form Ins(1,3,4,5,6)P5. This reaction is thought to have regulatory importance, since Ins(3,4,5,6)P4 is an inhibitor of plasma membrane Ca(2+)-activated Cl(-) channels, while Ins(1,3,4,5,6)P5 is not. Also phosphorylates Ins(1,3,4)P3 on O-5 and O-6 to form Ins(1,3,4,6)P4, an essential molecule in the hexakisphosphate (InsP6) pathway. Also acts as an inositol polyphosphate phosphatase that dephosphorylate Ins(1,3,4,5)P4 and Ins(1,3,4,6)P4 to Ins(1,3,4)P3, and Ins(1,3,4,5,6)P5 to Ins(3,4,5,6)P4. May also act as an isomerase that interconverts the inositol tetrakisphosphate isomers Ins(1,3,4,5)P4 and Ins(1,3,4,6)P4 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	217272844
NCBI GeneID	3705
NCBI Accession #	NP_001136065.1
NCBI GenBank Nucleotide #	NM_001142593.2
UniProt Accession #	Q13572; Q9BTL6; Q9H2E7
Molecular Weight	35,632 Da
NCBI Official Full Name	inositol-tetrakisphosphate 1-kinase isoform a
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
UniProt Protein Name	Inositol-tetrakisphosphate 1-kinase
UniProt Gene Name	ITPK1
UniProt Synonym Gene Names	Inositol-triphosphate 5/6-kinase; Ins(1,3,4)P(3) 5/6-kinase
UniProt Entry Name	ITPK1_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/itpk1-antibody-immunohistochemistry-western-blot-elisa/230960>