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Datasheet for ABIN6979183

anti-ITPK1 antibody (AA 1-100) (Alexa Fluor 594)

Overview

Quantity:	100 µL
Target:	ITPK1
Binding Specificity:	AA 1-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITPK1 antibody is conjugated to Alexa Fluor 594
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ITPK1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken,Rabbit,Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	ITPK1
Alternative Name:	ITPK1 (ITPK1 Products)

Target Details

Background: Synonyms: 4)P(3) 5/6-kinase, 4-trisphosphate 5/6-kinase, Inositol 1 3 4 triphosphate 5/6 kinase, Inositol 1 3 4 triphosphate 5/6 kinase, Inositol 1, Inositol tetrakisphosphate 1 kinase, Inositol triphosphate 5/6 kinase, Inositol-tetrakisphosphate 1-kinase, Inositol-triphosphate 5/6-kinase, Ins(1 3 4)P(3) 5/6 kinase, Ins(1, ITPK 1, itpk1, ITPK1_HUMAN, ITRPK 1, ITRPK1.

Background: Intracellular calcium concentrations are regulated by a family of inositol phosphates, which act as second messengers in the calcium cell signaling pathway. ITPK1 (inositol 1,3,4-triphosphate 5/6 kinase), also known as ITRPK1, is a 414 amino acid monomer that belongs to the ITPK1 family and exists as two alternatively spliced isoforms. Widely expressed, ITPK1 is found at highest levels in brain, followed by heart, skeletal muscle, kidney, pancreas, liver, placenta and lung. ITPK1 contains one ATP-grasp domain and has been found to phosphorylate various.

Gene ID: 3705

UniProt: [Q13572](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months