ITPK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ITPK1, Polyclonal Antibody
Full Product Name	ITPK1 (Inositol-tetrakisphosphate 1-kinase, Inositol 1,3,4-trisphosphate 5/6-kinase, Ins(1,3,4)P(3) 5/6-kinase) (MaxLight 550)
Product Gene Name	anti-ITPK1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ITPK1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	Full length human ITPK1, aa1-314 (AAH03622.1).
Immunogen Sequence	MQTFLKGKRVGYWLSEKKIKKLNFQAFAELCRKRGMEVVQLNLSRPIEEQGPLDVIIHKLTDVILEADQNDSQSLELVHRFQEYIDAHPETIVLDPLPAIRTLI
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-ITPK1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-ITPK1 antibody	Western Blot (WB)
Application Notes for anti-ITPK1 antibody	Applications are based on unconjugated antibody.
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 for 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 apoptosis by interfering with the activation of TNFRSF1A-associated death domain.
Other Notes	Small volumes of anti-ITPK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess
Searchable Terms for ITPK1 purchase	MBS6383329 is an antibody targeting ITPK1. Also known as ITPK1 (Inositol-tetrakisphosphate 1-kinase, Inositol 1,3,4-trisphosphate 5/6-kinase, Ins(1,3

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ITPK1. It may not necessarily be applicable to this product.

NCBI GI #	33869549
NCBI GeneID	3705
NCBI Accession #	BC003622.2
NCBI Related Accession #	AAH03622.1
UniProt Related Accession #	Q13572
NCBI Official Full Name	Homo sapiens inositol 1,3,4-triphosphate 5/6 kinase, mRNA
NCBI Official Synonym Full Names	inositol-tetrakisphosphate 1-kinase
NCBI Official Symbol	ITPK1
NCBI Official Synonym Symbols	ITRPK1
Protein Family	Inositol-tetrakisphosphate 1-kinase
NCBI Protein Information	inositol-tetrakisphosphate 1-kinase
NCBI Summary for ITPK1	This gene encodes an enzyme that belongs to the inositol 1,3,4-trisphosphate 5/6-kinase family. This enzyme regulates the synthesis of inositol tetraphosphate, and downstream products, inositol pentakisphosphate and inositol hexakisphosphate. Inositol metabolism plays a role in the development of the neural tube. Disruptions in this gene are thought to be associated with neural tube defects. A pseudogene of this gene has been identified on chromosome X. [provided by RefSeq, Jul 2016]
Research Articles on ITPK1	**1.** ITPK1 role in the lipid-independent synthesis of inositol phosphates.
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