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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54993_P050-Biotin
Product Page	www.avivasysbio.com/itpk1-antibody-n-terminal-region-biotin-arp54993-p050-biotin.html
Name	ITPK1 Antibody - N-terminal region : Biotin (ARP54993_P050-Biotin)
Protein Size (# AA)	414 amino acids
Molecular Weight	45kDa
Conjugation	Biotin
NCBI Gene Id	3705
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Inositol-tetrakisphosphate 1-kinase
Alias Symbols	ITRPK1
Peptide Sequence	Synthetic peptide located within the following region: MEVVQLNLSRPIEEQGPLDVIHKLTDVILEADQNDQSLELVHRFQEYI
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Chamberlain,P.P., (2007) J. Biol. Chem. 282 (38), 28117-28125
Description of Target	ITPK1 is the kinase that can phosphorylate various inositol polyphosphate such as Ins(3,4,5,6)P4 or Ins(1,3,4)P3. It may also act as an isomerase that interconverts the inositol tetraphosphate isomers Ins(1,3,4,5)P4 and Ins(1,3,4,6)P4 in the presence of ADP and magnesium. It probably acts as the rate-limiting enzyme of the InsP6 pathway. ITPK1 modifies TNF-alpha-induced apoptosis by interfering with the activation of TNFRSF1A-associated death domain.
Protein Interactions	UBC; TP53; NFKBIA; JUN; ITPK1; GPS1; COPS8; TRAF2;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-ITPK1 (ARP54993_P050-Biotin) antibody
Blocking Peptide	For anti-ITPK1 (ARP54993_P050-Biotin) antibody is Catalog# AAP54993 (Previous Catalog# AAPP32254)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ITPK1
Uniprot ID	Q13572
Protein Name	Inositol-tetrakisphosphate 1-kinase
Protein Accession #	NP_055031
Purification	Affinity Purified
Nucleotide Accession #	NM_014216
Gene Symbol	ITPK1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%

Image 1



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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