ACEK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ACEK, Polyclonal Antibody
Full Product Name	Rabbit anti-Salmonella typhimurium (strain LT2/SGSC1412/700720) ACEK Polyclonal Antibody
Product Gene Name	anti-ACEK antibody
Product Synonym Names	ACEK Antibody; Isocitrate dehydrogenase kinase/phosphatase; IDH kinase/phosphatase; IDHK/P; EC 2.7.11.5; EC 3.1.3.-; aceK STM4185
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Salmonella typhimurium (strain LT2/SGSC1412/ 700720)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	67,956 Da
3D Structure	ModBase 3D Structure for P51067
Immunogen	Recombinant Salmonella typhimurium (strain LT2 / SGSC1412 / 700720) aceK protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ACEK antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-ACEK antibody	MBS7159461 is an antibody targeting ACEK. Also known as Rabbit anti-Salmonella typhimurium (strain LT2/SGSC1412/700720) ACEK Polyclonal Antibody. Reactive in Salmonella typhimurium (strain LT2/SGSC1412/ 700720). Host: Rabbit.
Other Notes	Small volumes of anti-ACEK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

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

NCBI GI #	16767435
NCBI GeneID	1255711
NCBI Accession #	NP_463050.1
UniProt Primary Accession #	P51067

UniProt Related Accession #	P51067
GenBank Nucleotide #	NC_003197.2
NCBI Official Full Name	bifunctional isocitrate dehydrogenase kinase/phosphatase
NCBI Official Symbol	aceK
UniProt Protein Name	Isocitrate dehydrogenase kinase/phosphatase
Protein Family	Isocitrate dehydrogenase kinase/phosphatase
UniProt Gene Name	aceK
UniProt Synonym Gene Names	IDH kinase/phosphatase; IDHK/P
NCBI Protein Information	bifunctional isocitrate dehydrogenase kinase/phosphatase
UniProt Comments for ACEK	Bifunctional enzyme which can phosphorylate or dephosphorylate isocitrate dehydrogenase (IDH) on a specific serine residue. This is a regulatory mechanism which enables bacteria to bypass the Krebs cycle via the glyoxylate shunt in response to the source of carbon. When bacteria are grown on glucose, IDH is fully active and unphosphorylated, but when grown on acetate or ethanol, the activity of IDH declines drastically concomitant with its phosphorylation.
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