FABH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FABH, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) FABH Polyclonal Antibody
Product Gene Name	anti-FABH antibody
Product Synonym Names	FABH Antibody; 3-oxoacyl-[acyl-carrier-protein] synthase 3; EC 2.3.1.180; 3-oxoacyl-[acyl-carrier-protein] synthase III; Beta-ketoacyl-ACP synthase III; KAS III; EcFabH; fabH b1091 JW1077
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli (strain K12)
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	33,515 Da
3D Structure	ModBase 3D Structure for P0A6R0
Immunogen	Recombinant Escherichia coli (strain K12) fabH protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FABH antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-FABH antibody	MBS7165014 is an antibody targeting FABH. Also known as Rabbit anti-Escherichia coli (strain K12) FABH Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-FABH 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 FABH. It may not necessarily be applicable to this product.

NCBI GI #	16129054
NCBI GeneID	946003
NCBI Accession #	NP_415609.1
UniProt Primary Accession #	P0A6R0
UniProt Secondary Accession #	P24249

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	3-oxoacyl-[acyl-carrier-protein] synthase III
NCBI Official Symbol	fabH
NCBI Official Synonym Symbols	ECK1077; JW1077
UniProt Protein Name	3-oxoacyl-[acyl-carrier-protein] synthase 3
UniProt Synonym Protein Names	3-oxoacyl-[acyl-carrier-protein] synthase III
Protein Family	3-oxoacyl-[acyl-carrier-protein] synthase
UniProt Gene Name	fabH
UniProt Synonym Gene Names	KAS III
NCBI Protein Information	3-oxoacyl-[acyl-carrier-protein] synthase III
NCBI Summary for FABH	fabH is an essential gene. [More information is available at EcoGene: EG10277]. There are three -ketoacyl-ACP synthases (KAS) in Escherichia coli: |FRAME: [More information is available at EcoCyc: EG10277].
UniProt Comments for FABH	Catalyzes the condensation reaction of fatty acid synthesis by the addition to an acyl acceptor of two carbons from malonyl-ACP. Catalyzes the first condensation reaction which initiates fatty acid synthesis and may therefore play a role in governing the total rate of fatty acid production. Possesses both acetoacetyl-ACP synthase and acetyl transacylase activities. Has some substrate specificity for acetyl-CoA. Its substrate specificity determines the biosynthesis of straight-chain of fatty acids instead of branched-chain.
Research Articles on FABH	**1.** N-terminus verified by Edman degradation on complete protein
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