WECH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WECH, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) WECH Polyclonal Antibody
Product Gene Name	anti-WECH antibody
Product Synonym Names	WECH Antibody; O-acetyltransferase WecH; EC 2.3.1.-; wecH yiaH b3561 JW3533
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	37,570 Da
3D Structure	ModBase 3D Structure for P37669
Immunogen	Recombinant Escherichia coli (strain K12) wecH protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-WECH antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-WECH antibody	MBS7155424 is an antibody targeting WECH. Also known as Rabbit anti-Escherichia coli (strain K12) WECH Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-WECH 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 WECH. It may not necessarily be applicable to this product.

NCBI GI #	16131432
NCBI GeneID	948077
NCBI Accession #	NP_418018.1
UniProt Primary Accession #	P37669
UniProt Secondary Accession #	Q2M7M4

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	O-acetyltransferase for enterobacterial common antigen (ECA)
NCBI Official Symbol	wecH
NCBI Official Synonym Symbols	ECK3550; JW3533; yiaH
UniProt Protein Name	O-acetyltransferase WecH
Protein Family	O-acetyltransferase
UniProt Gene Name	wecH
NCBI Protein Information	O-acetyltransferase for enterobacterial common antigen (ECA)
NCBI Summary for WECH	WecH encodes an O-acetyltransferase which is responsible for the nonstoichiometric addition of O-acetyl groups onto the 6-position of N-acetyl-D-glucosamine residues of the trisaccharide repeat unit of ECACYC and ECAPG. [More information is available at EcoCyc: EG12274].
UniProt Comments for WECH	Responsible for the incorporation of O-acetyl groups into the enterobacterial common antigen (ECA) trisaccharide repeat units. Catalyzes the acetylation of both cyclic ECA (ECA(CYC)) and phosphoglyceride-linked ECA (ECA(PG)).
Research Articles on WECH	**1.** results of biochemical and genetic experiments presented here strongly support the conclusion that yiaH encodes the O-acetyltransferase responsible for the incorporation of O-acetyl groups into both enterobacterial common antigen (ECA(CYC)) & ECA(PG)
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