CEDA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CEDA, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) CEDA Polyclonal Antibody
Product Gene Name	anti-CEDA antibody
Product Synonym Names	CEDA Antibody; Cell division activator CedA cedA ydjP b1731 JW1720
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	9,377 Da
3D Structure	ModBase 3D Structure for P0AE60
Immunogen	Recombinant Escherichia coli (strain K12) cedA protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CEDA antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-CEDA antibody	MBS7166167 is an antibody targeting CEDA. Also known as Rabbit anti-Escherichia coli (strain K12) CEDA Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-CEDA 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 CEDA. It may not necessarily be applicable to this product.

NCBI GI #	145698276
NCBI GeneID	946235
NCBI Accession #	NP_416245.2
UniProt Primary Accession #	P0AE60
UniProt Secondary Accession #	P76211; Q2MB43

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	cell division modulator
NCBI Official Symbol	cedA
NCBI Official Synonym Symbols	ECK1729; JW1720; ydjP
UniProt Protein Name	Cell division activator CedA
Protein Family	Cell division activator
UniProt Gene Name	cedA
UniProt Synonym Gene Names	ydjP
NCBI Protein Information	cell division modulator
NCBI Summary for CEDA	Second ATG is chosen because of S.t. alignment and RBS. [More information is available at EcoGene: EG13992]. CedA appears to be involved in the regulation of cell division in a wild-type or dnaA mutant strain . [More information is available at EcoCyc: G6936].
UniProt Comments for CEDA	Activates the cell division inhibited by chromosomal DNA over-replication.
Research Articles on CEDA	**1.** CedA may be involved in the reactivation of DnaA suffering inactivation. In particular, Glu32 in CedA is an essential residue for cell division reactivation and may interact with the DnaA molecule, directly or indirectly.
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