bepA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	bepA, Polyclonal Antibody
Full Product Name	bepA Antibody, Biotin Conjugated
Product Gene Name	anti-bepA antibody
Product Synonym Names	Beta-barrel assembly-enhancing protease; EC 3.4.-.-; bepA; yfgC
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Escherichia Coli
Form/Format	Liquid
Purity/Purification	>95% Protein G Purified
Preparation and Storage	Upon receipt, store at-20 degree C or-80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: bepA (MBS7113790) Biotin Conjugated Antibody: bepA (MBS7113793)
Molecular Weight	53,908 Da
3D Structure	ModBase 3D Structure for P66948
Immunogen Species	Escherichia Coli
Immunogen	Recombinant Escherichia coli Beta-barrel assembly-enhancing protease protein (214-487AA)
Conjugate	Biotin
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-bepA antibody	ELISA (EIA)
Related Product Information for anti-bepA antibody	MBS7113793 is an antibody targeting bepA. Also known as bepA Antibody, Biotin Conjugated. Reactive in Escherichia Coli. Host: Rabbit.
Other Notes	Small volumes of anti-bepA 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 bepA. It may not necessarily be applicable to this product.

NCBI GI #	16130419
NCBI GeneID	947029

NCBI Accession #	NP_416989.1
UniProt Primary Accession #	P66948
UniProt Secondary Accession #	P76568; Q2MAI2
UniProt Related Accession #	AYG18492
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	beta-barrel assembly-enhancing protease
NCBI Official Symbol	bepA
NCBI Official Synonym Symbols	ECK2490; yfgC
UniProt Protein Name	Beta-barrel assembly-enhancing protease
Protein Family	Adenosine monophosphate-protein transferase
UniProt Gene Name	bepA
UniProt Synonym Gene Names	yfgC
NCBI Protein Information	beta-barrel assembly-enhancing protease
NCBI Summary for bepA	Overexpression causes abnormal biofilm architecture. [More information is available at EcoGene: EG14199].
UniProt Comments for bepA	Functions as both a chaperone and a metalloprotease. Maintains the integrity of the outer membrane by promoting either the assembly or the elimination of outer membrane proteins, depending on their folding state. Promotes disulfide rearrangement of LptD during its biogenesis, and proteolytic degradation of LptD and BamA when their proper assembly is compromised. May facilitate membrane attachment of LoiP under unfavorable conditions.
Research Articles on bepA	**1.** These results demonstrate that multiple periplasmic proteases monitor outer membrane proteins at distinct points in the assembly process as in the case of degradation of the outer membrane protein LptD by the DegP, BepA and YcaL proteases.
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