OSMB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OSMB, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) OSMB Polyclonal Antibody
Product Gene Name	anti-OSMB antibody
Product Synonym Names	OSMB Antibody; Osmotically-inducible lipoprotein B osmB b1283 JW1275
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	6,948 Da
3D Structure	ModBase 3D Structure for P0ADA7
Immunogen	Recombinant Escherichia coli (strain K12) osmB protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-OSMB antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-OSMB antibody	MBS7163679 is an antibody targeting OSMB. Also known as Rabbit anti-Escherichia coli (strain K12) OSMB Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-OSMB 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 OSMB. It may not necessarily be applicable to this product.

NCBI GI #	16129244
NCBI GeneID	945866
NCBI Accession #	NP_415799.1
UniProt Primary Accession #	P0ADA7
UniProt Secondary Accession #	P17873

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	osmotically and stress inducible lipoprotein
NCBI Official Symbol	osmB
NCBI Official Synonym Symbols	ECK1278; JW1275
UniProt Protein Name	Osmotically-inducible lipoprotein B
Protein Family	Osmotically-inducible lipoprotein
UniProt Gene Name	osmB
NCBI Protein Information	osmotically and stress inducible lipoprotein
NCBI Summary for OSMB	First 23 aa are a type II signal peptide. [More information is available at EcoGene: EG10679]. The osmB gene of Escherichia coli has been shown to be inducible by both osmotic stress and growth phase signals . [More information is available at EcoCyc: EG10679].
UniProt Comments for OSMB	Provides resistance to osmotic stress. May be important for stationary-phase survival.
Research Articles on OSMB	**1.** osmB appears as another example of a multistress-responsive gene whose transcription involves both a sigma(S)-dependent promoter and a second one independent of sigma(S) but controlled by stress-specific transcription factors.
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