OSMC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OSMC, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) OSMC Polyclonal Antibody
Product Gene Name	anti-OSMC antibody
Product Synonym Names	OSMC Antibody; Peroxiredoxin OsmC; EC 1.11.1.15; Osmotically-inducible protein C; osmC b1482 JW1477
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	15,088 Da
3D Structure	ModBase 3D Structure for P0C0L2
Immunogen	Recombinant Escherichia coli (strain K12) osmC protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-OSMC antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-OSMC antibody	MBS7151129 is an antibody targeting OSMC. Also known as Rabbit anti-Escherichia coli (strain K12) OSMC Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-OSMC 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 OSMC. It may not necessarily be applicable to this product.

NCBI GI #	16129441
NCBI GeneID	946043
NCBI Accession #	NP_415999.1
UniProt Primary Accession #	P0C0L2
UniProt Secondary Accession #	P23929; P77655

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	lipoyl-dependent Cys-based peroxidase, hydroperoxide resistance; salt-shock inducible membrane protein; peroxiredoxin
NCBI Official Symbol	osmC
NCBI Official Synonym Symbols	ECK1476; JW1477
UniProt Protein Name	Peroxiredoxin OsmC
UniProt Synonym Protein Names	Osmotically-inducible protein C
Protein Family	Peroxiredoxin
UniProt Gene Name	osmC
NCBI Protein Information	lipoyl-dependent Cys-based peroxidase, hydroperoxide resistance; salt-shock inducible membrane protein; peroxiredoxin
NCBI Summary for OSMC	OsmC contains a conserved CxxS redox motif. [More information is available at EcoGene: EG10680]. OsmC is a non-essential protein which has been shown to have peroxidase activity with a strong preference for organic hydroperoxide . [More information is available at EcoCyc: EG10680].
UniProt Comments for OSMC	Preferentially metabolizes organic hydroperoxides over inorganic hydrogen peroxide.
Research Articles on OSMC	**1.** N-terminus verified by Edman degradation on mature peptide
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