SOXR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SOXR, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli O157:H7 SOXR Polyclonal Antibody
Product Gene Name	anti-SOXR antibody
Product Synonym Names	SOXR Antibody; Redox-sensitive transcriptional activator SoxR soxR Z5662 ECs5045
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli O157:H7
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	17,150 Da
3D Structure	ModBase 3D Structure for P0ACS3
Immunogen	Recombinant Escherichia coli O157:H7 soxR protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SOXR antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-SOXR antibody	MBS7163586 is an antibody targeting SOXR. Also known as Rabbit anti-Escherichia coli O157:H7 SOXR Polyclonal Antibody. Reactive in E Coli O157:H7. Host: Rabbit.
Other Notes	Small volumes of anti-SOXR 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 SOXR. It may not necessarily be applicable to this product.

NCBI GI #	15834299
NCBI GeneID	914292
NCBI Accession #	NP_313072.1
UniProt Primary Accession #	P0ACS3
UniProt Secondary Accession #	P22538; Q53442

GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	redox-sensitive transcriptional activator SoxR
NCBI Official Symbol	ECs5045
UniProt Protein Name	Redox-sensitive transcriptional activator SoxR
Protein Family	HTH-type transcriptional activator
UniProt Gene Name	soxR
NCBI Protein Information	redox-sensitive transcriptional activator SoxR
UniProt Comments for SOXR	Activates the transcription of the soxS gene which itself controls the superoxide response regulon. SoxR contains a 2Fe-2S iron-sulfur cluster that may act as a redox sensor system that recognizes superoxide. The variable redox state of the Fe-S cluster is employed in vivo to modulate the transcriptional activity of SoxR in response to specific types of oxidative stress. Upon reduction of 2Fe-2S cluster, SoxR reversibly loses its transcriptional activity, but retains its DNA binding affinity ().
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