ZRAR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZRAR, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) ZRAR Polyclonal Antibody
Product Gene Name	anti-ZRAR antibody
Product Synonym Names	ZRAR Antibody; Transcriptional regulatory protein ZraR zraR hydG b4004 JW3968
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	48,395 Da
3D Structure	ModBase 3D Structure for P14375
Immunogen	Recombinant Escherichia coli (strain K12) zraR protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ZRAR antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-ZRAR antibody	MBS7151776 is an antibody targeting ZRAR. Also known as Rabbit anti-Escherichia coli (strain K12) ZRAR Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-ZRAR 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 ZRAR. It may not necessarily be applicable to this product.

NCBI GI #	16131834
NCBI GeneID	948505
NCBI Accession #	NP_418432.1
UniProt Primary Accession #	P14375
UniProt Secondary Accession #	Q2M8U1

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	fused DNA-binding response regulator in two-component regulatory system with ZraS: response regulator/sigma54 interaction protein
NCBI Official Symbol	zraR
NCBI Official Synonym Symbols	ECK3996; hydG; JW3968
UniProt Protein Name	Transcriptional regulatory protein ZraR
Protein Family	Transcriptional regulatory protein
UniProt Gene Name	zraR
UniProt Synonym Gene Names	hydG
NCBI Protein Information	fused DNA-binding response regulator in two-component regulatory system with ZraS: response regulator/sigma54 interaction protein
NCBI Summary for ZRAR	The N-terminal sequencing of overexpressed protein showed that the fMet is not clipped (Leonhartsberger et al. [More information is available at EcoGene: EG10482]. ZraR, "zinc resistance-associated regulator," controls the expression of genes involved in tolerance to high zinc concentrations. [More information is available at EcoCyc: EG10482].
UniProt Comments for ZRAR	Member of the two-component regulatory system ZraS/ZraR. When activated by ZraS it acts in conjunction with sigma-54 to regulate the expression of zraP. Positively autoregulates the expression of the zraSR operon.
Research Articles on ZRAR	**1.** analysis of a cell-free approach for H-cluster synthesis and hydrogenase maturation by using separately expressed and purified HydE, HydF, and HydG
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