ECPR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ECPR, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) ECPR Polyclonal Antibody
Product Gene Name	anti-ECPR antibody
Product Synonym Names	ECPR Antibody; HTH-type transcriptional regulator EcpR ecpR matA ykgK b0294 JW5031
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	23,274 Da
3D Structure	ModBase 3D Structure for P71301
Immunogen	Recombinant Escherichia coli (strain K12) ecpR protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ECPR antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-ECPR antibody	MBS7148291 is an antibody targeting ECPR. Also known as Rabbit anti-Escherichia coli (strain K12) ECPR Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-ECPR 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 ECPR. It may not necessarily be applicable to this product.

NCBI GI #	16128279
NCBI GeneID	944966
NCBI Accession #	NP_414828.1
UniProt Primary Accession #	P71301
UniProt Secondary Accession #	Q2MCC8

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	putative transcriptional regulator for the ecp operon
NCBI Official Symbol	ecpR
NCBI Official Synonym Symbols	ECK0293; JW5031; matA; ykgK
UniProt Protein Name	HTH-type transcriptional regulator EcpR
Protein Family	HTH-type transcriptional regulator
UniProt Gene Name	ecpR
UniProt Synonym Gene Names	matA; ykgK
NCBI Protein Information	putative transcriptional regulator for the ecp operon
NCBI Summary for ECPR	LuxR family. [More information is available at EcoGene: EG14324].
UniProt Comments for ECPR	Part of the ecpRABCDE operon, which encodes the E.coli common pilus (ECP). ECP is found in both commensal and pathogenic strains and plays a dual role in early-stage biofilm development and host cell recognition. Positively regulates the expression of the ecp operon (). Also represses expression of the flagellar master operon flhDC, and consequently prevents flagellum biosynthesis and motility. Acts by binding to the regulatory region of the flhDC operon (Probable).
Research Articles on ECPR	**1.** RcsB forms heterodimers with MatA (also known as EcpR) and with DctR
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