Transcription Termination Factor Rho (rho) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Transcription termination factor Rho, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli Transcription termination factor Rho polyclonal Antibody
Product Gene Name	anti-rho antibody
Product Synonym Names	ATP-dependent helicase Rho; rho; nitA; psuA; rnsC; sbaA; tsu
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Bacterium
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: Transcription termination factor Rho (MBS1490187) HRP Conjugated Antibody: Transcription termination factor Rho (MBS1488464)
Matching Pairs	Unconjugated Antibody: Transcription termination factor Rho (MBS1490187) FITC Conjugated Antibody: Transcription termination factor Rho (MBS1488911)
Matching Pairs	Unconjugated Antibody: Transcription termination factor Rho (MBS1490187) Biotin Conjugated Antibody: Transcription termination factor Rho (MBS1491587)
Molecular Weight	47,004 Da
3D Structure	ModBase 3D Structure for P0AG30
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant Escherichia coli Transcription termination factor Rho protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-rho antibody	ELISA (EIA)
Related Product Information for anti-rho antibody	Facilitates transcription termination by a mechanism that involves rho binding to the nascent RNA, activation of rho's RNA-dependent ATPase activity, and release of the mRNA from the DNA template. RNA-dependent NTPAse which utilizes all four ribonucleoside triphosphates as substrates.
Other Notes	Small volumes of anti-rho 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.
Searchable Terms for rho purchase	MBS1490187 is an antibody targeting rho. Also known as Rabbit anti-Escherichia coli Transcription termination factor Rho polyclonal Antibody. Reactive in Bacterium. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for rho. It may not necessarily be applicable to this product.

NCBI GI #	16131639
NCBI GeneID	948297
NCBI Accession #	NP_418230.1
UniProt Primary Accession #	P0AG30
UniProt Secondary Accession #	P03002; Q2M891; Q48357
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	transcription termination factor
NCBI Official Symbol	rho
NCBI Official Synonym Symbols	ECK3775; hdf; JW3756; nitA; nusD; psuA; rnsC; sbaA; sun; tabC; tsu
UniProt Protein Name	Transcription termination factor Rho
UniProt Synonym Protein Names	ATP-dependent helicase Rho
Protein Family	Protein rhomboid
UniProt Gene Name	rho
UniProt Synonym Gene Names	nitA; psuA; rnsC; sbaA; tsu
UniProt Entry Name	RHO_ECOLI
NCBI Protein Information	transcription termination factor
NCBI Summary for rho	rho has been shown to be an essential gene (Das, 1976; Bubunenko, 2007). [More information is available at EcoGene: EG10845]. Rho is required for one of the two major types of termination of RNA transcription. [More information is available at EcoCyc: EG10845].
Research Articles on rho	**1.** Rho inhibition leads to RNA polymerase readthrough, which in principle could displace H-NS from the DNA, thus leading to transcriptional derepression of H-NS-silenced genes.
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