HOLE Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HOLE, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) HOLE Polyclonal Antibody
Product Gene Name	anti-HOLE antibody
Product Synonym Names	HOLE Antibody; DNA polymerase III subunit theta; EC 2.7.7.7; holE b1842 JW1831
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	8,846 Da
3D Structure	ModBase 3D Structure for P0ABS8
Immunogen	Recombinant Escherichia coli (strain K12) holE protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HOLE antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-HOLE antibody	MBS7165771 is an antibody targeting HOLE. Also known as Rabbit anti-Escherichia coli (strain K12) HOLE Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-HOLE 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 HOLE. It may not necessarily be applicable to this product.

NCBI GI #	16129795
NCBI GeneID	947471
NCBI Accession #	NP_416356.1
UniProt Primary Accession #	P0ABS8
UniProt Secondary Accession #	P28689

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	DNA polymerase III, theta subunit
NCBI Official Symbol	holE
NCBI Official Synonym Symbols	ECK1843; JW1831
UniProt Protein Name	DNA polymerase III subunit theta
Protein Family	DNA polymerase
UniProt Gene Name	holE
NCBI Protein Information	DNA polymerase III, theta subunit
NCBI Summary for HOLE	The theta subunit of DNA polymerase III binds tightly to the epsilon subunit but not to the alpha subunit . [More information is available at EcoCyc: EG11505].
UniProt Comments for HOLE	DNA polymerase III is a complex, multichain enzyme responsible for most of the replicative synthesis in bacteria. This DNA polymerase also exhibits 3' to 5' exonuclease activity.
Research Articles on HOLE	**1.** Data show that the tau (tau), alpha (alpha), epsilon (epsilon), and theta (theta;) subunits of DNA Polymerase III can be assembled in vivo, yielding the trimeric tau3alpha3epsilon3theta;3 complex.
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