TRPB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRPB, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) TRPB Polyclonal Antibody
Product Gene Name	anti-TRPB antibody
Product Synonym Names	TRPB Antibody; Tryptophan synthase beta chain; EC 4.2.1.20; trpB b1261 JW1253
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	42,983 Da
3D Structure	ModBase 3D Structure for P0A879
Immunogen	Recombinant Escherichia coli (strain K12) trpB protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRPB antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-TRPB antibody	MBS7165213 is an antibody targeting TRPB. Also known as Rabbit anti-Escherichia coli (strain K12) TRPB Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-TRPB 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 TRPB. It may not necessarily be applicable to this product.

NCBI GI #	16129222
NCBI GeneID	945768
NCBI Accession #	NP_415777.1
UniProt Primary Accession #	P0A879
UniProt Secondary Accession #	P00932; P78146

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	tryptophan synthase, beta subunit
NCBI Official Symbol	trpB
NCBI Official Synonym Symbols	ECK1255; JW1253
UniProt Protein Name	Tryptophan synthase beta chain
Protein Family	Tryptophan synthase
UniProt Gene Name	trpB
NCBI Protein Information	tryptophan synthase, beta subunit
NCBI Summary for TRPB	otherPDB (S. typhimurium): [More information is available at EcoGene: EG11025]. The TrpB polypeptide functions as the subunit of the tetrameric (2-2) tryptophan synthase complex. [More information is available at EcoCyc: EG11025].
UniProt Comments for TRPB	The beta subunit is responsible for the synthesis of L-tryptophan from indole and L-serine.
Research Articles on TRPB	**1.** determined the crystal structures of apo-tryptophan synthase beta(2) and holo-beta(2) from Escherichia coli at 3.0 and 2.9 A resolutions, respectively.
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