BETT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BETT, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) BETT Polyclonal Antibody
Product Gene Name	anti-BETT antibody
Product Synonym Names	BETT Antibody; High-affinity choline transport protein betT b0314 JW0306
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	75,842 Da
3D Structure	ModBase 3D Structure for P0ABC9
Immunogen	Recombinant Escherichia coli (strain K12) betT protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BETT antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-BETT antibody	MBS7165715 is an antibody targeting BETT. Also known as Rabbit anti-Escherichia coli (strain K12) BETT Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-BETT 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 BETT. It may not necessarily be applicable to this product.

NCBI GI #	16128299
NCBI GeneID	945079
NCBI Accession #	NP_414848.1
UniProt Primary Accession #	P0ABC9
UniProt Secondary Accession #	P17447; Q2MCA9

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	choline transporter of high affinity
NCBI Official Symbol	betT
NCBI Official Synonym Symbols	ECK0312; JW0306
UniProt Protein Name	High-affinity choline transport protein
Protein Family	High-affinity choline transport protein
UniProt Gene Name	betT
NCBI Protein Information	choline transporter of high affinity
NCBI Summary for BETT	The bet genes are induced by choline, oxygen, and osmotic stress. [More information is available at EcoGene: EG10112]. BetT is a proton-motive-force-driven choline transporter that belongs to the Betaine Carnitine Choline Transport (BCCT) family of proteins. [More information is available at EcoCyc: EG10112].
UniProt Comments for BETT	High-affinity uptake of choline driven by a proton-motive force.
Research Articles on BETT	**1.** study shows the cytoplasmic C-terminal domain of BetT plays an important role in the regulation of BetT activity and that C-terminal truncations can cause BetT to be permanently locked in a low-transport-activity mode
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