PAND Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PAND, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain 55989/EAEC) PAND Polyclonal Antibody
Product Gene Name	anti-PAND antibody
Product Synonym Names	PAND Antibody; Aspartate 1-decarboxylase; EC 4.1.1.11; Aspartate alpha-decarboxylase; [Cleaved into: Aspartate 1-decarboxylase beta chain; Aspartate 1-decarboxylase alpha chain] panD EC55989_0125
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli (strain 55989/EAEC)
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	13,834 Da
Chromosome Location	NC_011748.1 (146367..146747, complement)
3D Structure	ModBase 3D Structure for B7LGJ3
Immunogen	Recombinant Escherichia coli (strain 55989 / EAEC) panD protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PAND antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-PAND antibody	MBS7176066 is an antibody targeting PAND. Also known as Rabbit anti-Escherichia coli (strain 55989/EAEC) PAND Polyclonal Antibody. Reactive in E Coli (strain 55989/EAEC). Host: Rabbit.
Other Notes	Small volumes of anti-PAND 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 PAND. It may not necessarily be applicable to this product.

NCBI GI #	218693597
NCBI GeneID	7148016
NCBI Accession #	YP_002401264.1
UniProt Primary Accession #	B7LGJ3

UniProt Related Accession #	B7LGJ3
GenBank Nucleotide #	NC_011748.1
NCBI Official Full Name	aspartate alpha-decarboxylase
NCBI Official Symbol	panD
UniProt Protein Name	Aspartate 1-decarboxylase
UniProt Synonym Protein Names	Aspartate alpha-decarboxylase
Protein Family	Aspartate 1-decarboxylase
UniProt Gene Name	panD
UniProt Entry Name	PAND_ECO55
NCBI Protein Information	aspartate alpha-decarboxylase
UniProt Comments for PAND	Function: Catalyzes the pyruvoyl-dependent decarboxylation of aspartate to produce beta-alanine By similarity. HAMAP-Rule MF_00446 Catalytic activity: L-aspartate = beta-alanine + CO2. HAMAP-Rule MF_00446 Cofactor: Pyruvoyl group By similarity. HAMAP-Rule MF_00446 Pathway: Cofactor biosynthesis; (R)-pantothenate biosynthesis; beta-alanine from L-aspartate: step 1/1. HAMAP-Rule MF_00446 Subunit structure: Heterooctamer of four alpha and four beta subunits By similarity. Subcellular location: Cytoplasm By similarity HAMAP-Rule MF_00446. Post-translational modification: Is synthesized initially as an inactive proenzyme, which is activated by self-cleavage at a specific serine bond to produce a beta-subunit with a hydroxyl group at its C-terminus and an alpha-subunit with a pyruvoyl group at its N-terminus By similarity. HAMAP-Rule MF_00446 Sequence similarities: Belongs to the PanD family.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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