ILVC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ILVC, Polyclonal Antibody
Full Product Name	Rabbit anti-Salmonella typhimurium (strain LT2/SGSC1412/700720) ILVC Polyclonal Antibody
Product Gene Name	anti-ILVC antibody
Product Synonym Names	ILVC Antibody; Ketol-acid reductoisomerase; NADP(+; KARI; EC 1.1.1.86; Acetohydroxy-acid isomeroreductase; AHIR; Alpha-keto-beta-hydroxylacyl reductoisomerase; Ketol-acid reductoisomerase type 2; Ketol-acid reductoisomerase type II; ilvC STM3909 STMD1.81
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Salmonella typhimurium (strain LT2/SGSC1412/ 700720)
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	53,942 Da
3D Structure	ModBase 3D Structure for P05989
Immunogen	Recombinant Salmonella typhimurium (strain LT2 / SGSC1412 / 700720) ilvC protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ILVC antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-ILVC antibody	MBS7164556 is an antibody targeting ILVC. Also known as Rabbit anti-Salmonella typhimurium (strain LT2/SGSC1412/700720) ILVC Polyclonal Antibody. Reactive in Salmonella typhimurium (strain LT2/SGSC1412/700720). Host: Rabbit.
Other Notes	Small volumes of anti-ILVC 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 ILVC. It may not necessarily be applicable to this product.

NCBI GI #	16767185
NCBI GeneID	1255435
NCBI Accession #	NP_462800.1
UniProt Primary Accession #	P05989

UniProt Secondary Accession #	Q9L6S4
UniProt Related Accession #	P05989
GenBank Nucleotide #	NC_003197.2
NCBI Official Full Name	ketol-acid reductoisomerase
NCBI Official Symbol	ilvC
UniProt Protein Name	Ketol-acid reductoisomerase (NADP(+))
UniProt Synonym Protein Names	Acetohydroxy-acid isomeroreductase
Protein Family	Ketol-acid reductoisomerase
UniProt Gene Name	ilvC
UniProt Synonym Gene Names	KARI; AHIR
NCBI Protein Information	ketol-acid reductoisomerase
UniProt Comments for ILVC	Involved in the biosynthesis of branched-chain amino acids (BCAA). Catalyzes an alkyl-migration followed by a ketol-acid reduction of (S)-2-acetolactate (S2AL) to yield (R)-2,3-dihydroxy-isovalerate. In the isomerase reaction, S2AL is rearranged via a Mg-dependent methyl migration to produce 3-hydroxy-3-methyl-2-ketobutyrate (HMKB). In the reductase reaction, this 2-ketoacid undergoes a metal-dependent reduction by NADPH to yield (R)-2,3-dihydroxy-isovalerate.
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