

Datasheet for ABIN964590

anti-Biotin Ligase Tag (BLT) antibody



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1 Image

Overview

Quantity:	100 µL
Target:	Biotin Ligase Tag (BLT) (BLT)
Reactivity:	Please inquire
Host:	Rabbit
Clonality:	Polyclonal

Product Details

Immunogen:	GLNDIFEAQKIEWH (minimal BirA substrate, biotin is added to the sequence at the lysine.) Immunogen Type: Peptide
Sequence:	GLNDIFEAQK IEWH
Specificity:	This antiserum detects the minimal peptide substrate (GLNDIFEAQKIEWH) for the E. coli biotin ligase tag (BLT of BirA. This peptide is also called the biotin acceptor peptide (BAP) of the biotin carboxyl carrier protein (BCCP) subunit of acetyl CoA carboxylase of E. coli. Western blot analysis of B. subtilis strains producing either (BAP-tagged) SPoIIIAH (XWB49) or (BAP-tagged) SpolIQ (XWB46) showed strong and specific reactivity to the antisera. Minor background bands of unknown identity may be observed. The antisera will recognize the BAP/BLT tag irrespective of the whether the tag is biotinylated (data not shown).
Characteristics:	N/A

Target Details

Target:	Biotin Ligase Tag (BLT) (BLT)
Target Type:	Tag

Target Details

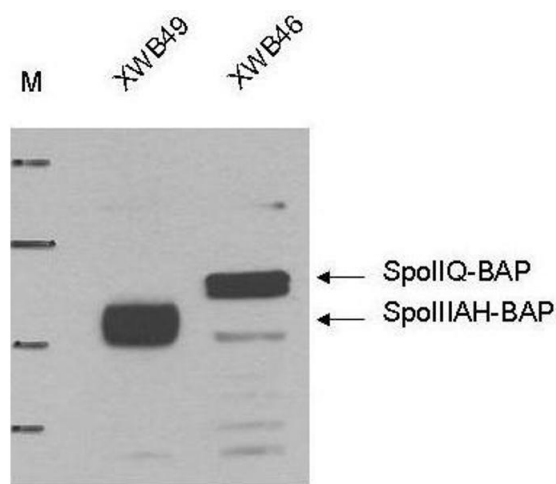
Background:	N/A
	Synonyms: biotin ligase; biotin operon repressor protein; birA; biotin holoenzyme synthetase; biotin-[acetyl-CoA carboxylase] synthetase.

Application Details

Comment:	Gene Name: BirA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	90 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot using Anti-Biotin Ligase Epitope Tag antibody shows detection of the BLT Ligase Target in lysates of whole cell *Bacillus subtilis* strains producing either BAP-tagged (Biotin-Acceptor Peptide-tagged) SpoIIAH (XWB49) (~ 25 kDa) or BAP-tagged SpoIIQ (XWB46) (~33 kDa). These proteins regulate transcription in *Bacillus subtilis*. The identity of the lower molecular weight bands in the last lane is unknown. Personal communication, J. Meisner, C. Moran, Jr., J. Boss, Emory University School of Medicine, Atlanta, GA.