



Rabbit Anti-*S. enterica* fljB Polyclonal Antibody (CABT-YN1018)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	<i>S. enterica</i>
Target	<i>S. enterica</i> fljB
Immunogen	Recombinant Salmonella enterica I fljB protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	<i>S. enterica</i>
Purification	Protein A/G
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Size	10 mg
Buffer	50% Glycerol, 0.01M PBS, pH7.4
Preservative	0.03% Proclin 300
Storage	store at -20°C or -80°C. Avoid repeated freeze.

BACKGROUND

Introduction

Salmonella enterica (formerly *Salmonella choleraesuis*) is a rod-headed, flagellate, facultative anaerobic, Gram-negative bacterium and a species of the genus *Salmonella*. Infections with *Salmonella enterica* belong to the most prominent causes of food poisoning and infected fruits and vegetables represent important vectors for salmonellosis. Flagellin is the main structural protein of flagellum, which is the motility apparatus of *Salmonella*. The variety of flagellin genes contributes much to the diversity of the serovars of *Salmonella*. Most serovars of *Salmonella* are biphasic strains, which contain two different flagellin genes, *fliC* and *fljB*, in different loci of the *chro_x005f_x0002_mosome*. The biphasic strains can express and secrete one kind of flagellin at any given time. In the process of infection, most biphasic strains can alternately express these two flagellin genes through a process called 'phase variation', which is mediated by the recombinase *Hin*. *Salmonella enterica* has two antigenically distinct flagellin genes, *fliC* and *fljB*, that are alternatively expressed. The *fljA* gene is cotranscribed with *fljB* and encodes a protein that has been characterized as a transcriptional repressor of the unlinked *fliC* gene when *FljB* is expressed.

Keywords

Flagellin; *fljB*; *Salmonella enterica* I *fljB*; *Salmonella enterica* I; *Salmonella enterica*; *Salmonella enterica* I *fljB*; *S. enterica* I *fljB*; *S. enterica*; *S. enterica* I; *Salmonella enterica* I Flagellin