



# Rabbit Anti-C.perfringens enterotoxin Polyclonal antibody (CABT-CS109)

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

## PRODUCT INFORMATION

Specificity	Clostridium perfringens enterotoxin.(food-poisoning strains).
Target	C.perfringens enterotoxin
Immunogen	Highly purified enterotoxin from Clostridium perfringens, strain NCTC8239
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	C. perfringens
Purification	Purified
Conjugate	unconjugated
Applications	WB, Dot, IP, ELISA
Format	Liquid
Concentration	4 mg/mL
Size	200 µg
Buffer	PBS, 50% glycerol
Preservative	None
Storage	Ship at 4°C and store at -20°C. Do not freeze.

## BACKGROUND

**Introduction**

Clostridium perfringens enterotoxin (CPE) is a protein toxin produced by majority of C. perfringens strains (type A, C, D and E strains) responsible for food poisoning and gastrointestinal disease. CPE destroys cell membrane structure of animals by its phospholipase activity after binding to the membrane of Claudin family proteins, which are components of tight junction of epithelial cell membrane. CPE binds to Claudins 3, 4, 6, 7, 8 and 14, but not to Claudins 1, 2, 5 and 10.

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**Keywords**

C.perfringens enterotoxin; C.Perfringens

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