



Rabbit Anti-B. burgdorferi ErpN/OspE Polyclonal antibody (CABT-CS897)

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

PRODUCT INFORMATION

Specificity	B. burgdorferi OspE
Target	B. burgdorferi OspE
Immunogen	MBP-fusion protein corresponding to Borrelia burgdorferi ErpN/OspE protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	B. burgdorferi
Purification	Protein A
Conjugate	unconjugated
Applications	WB, ELISA
Format	Lyophilized
Size	100 µg
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative	0.01% (w/v) Sodium Azide
Storage	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.

BACKGROUND

Introduction Erp proteins from *B. burgdorferi* are believed to be lipoproteins, based on their predicted amino acid sequences. The spirochete migrates from the tick midgut during feeding to its salivary glands and are thus transmitted to the mammal host. This transition may be facilitated by changes in expression of some *B. burgdorferi* genes. It is believed that expression of the various proteins associated with the spirochete may be regulated by the changes in tick life cycle, changes in conditions during tick feeding (such as temperature, pH, and nutrients) and/or in coordination with the course of infection of the mammal host.

Keywords *B. burgdorferi* OspE; *Borrelia burgdorferi* OspE; *Borrelia burgdorferi*; *B. burgdorferi*; OspE; *B. burgdorferi* ErpN