**Antibody Datasheet**

**Product Name:** Rabbit anti *Borrelia burgdorferi* DbpB  
**Product:** Purified rabbit anti DbpB antibody, unconjugated  
**Product Type:** Polyclonal  
**Isotype:** Rabbit IgG  
**Product code:** PAB21450-100  
**Batch Number:** R001218  
**Amount:** 0.1 ml (1.0 mg/mL by UV absorbance at 280 nm)  
**Physical State:** Lyophilized  
**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  
**Reconstitution Vol:** 100 µL  
**Reconstitution Buffer:** Deionized water (or equivalent)  
**Preservative:** 0.01% (w/v) Sodium Azide  
**Immunogen:** Recombinant MBP tagged *B. burgdorferi* DbpB protein  
**Purification:** Protein-A purified and cross-adsorbed against MBP from monospecific antiserum by chromatography  
**Specificity:** This antibody is specific for Borrelia burgdorferi DbpB protein. A BLAST analysis was used to suggest cross-reactivity with DbpB from *B. burgdorferi* and *B. garinii* sources based on 100% homology with the immunizing sequence. Cross-reactivity with DbpB from other sources has not been determined.
Applications: ELISA (1:5000), WB (1:1000)

Storage: Store 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. Antibody is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use.

Western blot showing detection of 0.1 µg recombinant proteins in western blot. Lane 1: Molecular weight markers. Lane 2: MBP-DbpB fusion protein (arrow; expected MW: 60.9 kDa). Lane 3: DbpB, MBP removed by TEV cleavage. Lane 4: MBP alone. Protein was run on a 4-20% gel, then transferred to 0.45 µm nitrocellulose. After blocking with 1% BSA-TTBS (overnight at 4°C), primary antibody was used at 1:1000 at room temperature for 30 min. HRP-conjugated Goat-Anti-Rabbit secondary antibody was used at 1:40,000 in MB-070 blocking buffer and imaged on the VersaDoc™ MP 4000 imaging system (Bio-Rad).