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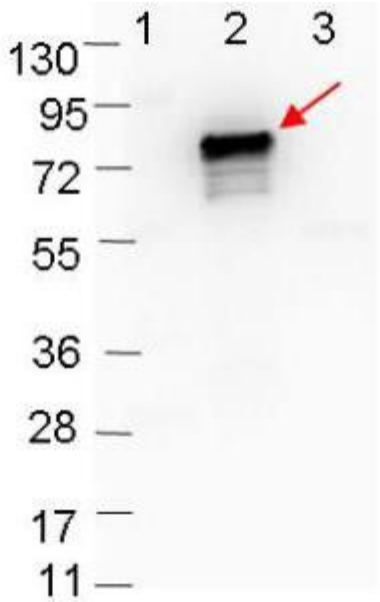
Antibody Datasheet

Product Name:	Rabbit anti *Borrelia burgdorferi* OspB
Product:	Purified rabbit anti OspB antibody, unconjugated
Product Type:	Polyclonal
Isotype:	Rabbit IgG
Product code:	PAB21462-100
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* OspB protein
Purification:	Protein-A purified and cross-adsorbed against MBP from monospecific antiserum by chromatography
Specificity:	This antibody is specific for *Borrelia burgdorferi* OspB protein. A BLAST analysis was used to suggest cross-reactivity with OspB from *B. burgdorferi, afzelii, spielmanii*, and *garinii* sources based on 100% homology with the immunizing sequence, and with *B. valaisiana* based on 99% homology. Cross-reactivity with OspB from other sources has not been determined.

Applications: ELISA (1:13,000), 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 of recombinant OspB protein. Lane 1: Molecular weight markers. Lane 2: MBP-OspB fusion protein (arrow; expected MW = 72.7 kDa). Lane 3: 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 blocking buffer and imaged on the VersaDoc™ MP 4000 imaging system (Bio-Rad).