

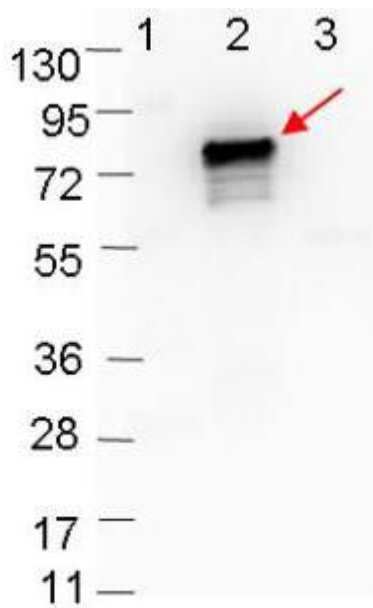
Antibody Datasheet

Product Name:	Rabbit anti <i>Borrelia burgdorferi</i> OspB
Product:	Purified rabbit anti OspB antibody, unconjugated
Product Type:	Polyclonal
Isotype:	Rabbit IgG
Product code:	PAB21462-25
Batch Number:	R001218
Amount:	25 µl (1.0 mg/mL by UV absorbance at 280 nm)
Physical State:	Liquid (sterile filtered)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Immunogen:	Recombinant MBP tagged <i>B. burgdorferi</i> OspB protein
Purification:	Protein-A purified and cross-adsorbed against MBP from monospecific antiserum by chromatography
Specificity:	This antibody is specific for <i>Borrelia burgdorferi</i> OspB protein. A BLAST analysis was used to suggest cross-reactivity with OspB from <i>B. burgdorferi</i> , <i>afzelii</i> , <i>spielmanii</i> , and <i>garinii</i> sources based on 100% homology with the immunizing sequence, and with <i>B. valaisiana</i> 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 vial at -20° C or below prior to opening. To minimize loss of volume, dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended above. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.



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).

