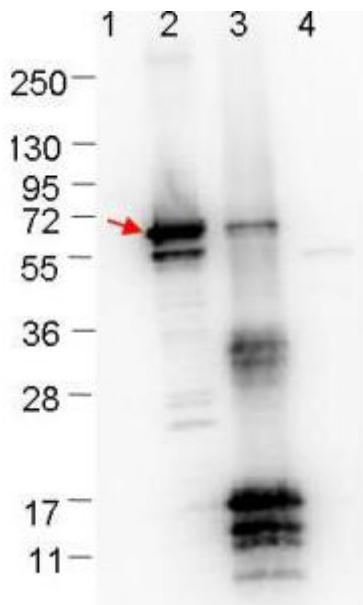


## Antibody Datasheet

<b>Product Name:</b>	Rabbit anti <i>Borrelia burgdorferi</i> ErpN/OspC
<b>Product:</b>	Purified rabbit anti ErpN/OspC antibody, unconjugated
<b>Product Type:</b>	Polyclonal
<b>Isotype:</b>	Rabbit IgG
<b>Product code:</b>	PAB21452-25
<b>Batch Number:</b>	R001218
<b>Amount:</b>	25 µl (1.0 mg/mL by UV absorbance at 280 nm)
<b>Physical State:</b>	Liquid (sterile filtered)
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Immunogen:</b>	Recombinant MBP tagged <i>B. burgdorferi</i> ErpN/OspC protein
<b>Purification:</b>	Protein-A purified and cross-adsorbed against MBP from monospecific antiserum by chromatography
<b>Specificity:</b>	This antibody is directed against, and shows specific reactivity for <i>Borrelia burgdorferi</i> OspC protein. Reactivity with ErpN/OspC protein from other sources has not been determined.
<b>Applications:</b>	ELISA (1:5000), WB (1:1000)
<b>Storage:</b>	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  $-20^{\circ}\text{C}$  or below after dilution. Avoid cycles of freezing and thawing.



Western blot showing detection of  $0.1\ \mu\text{g}$  recombinant proteins in Western blot. Lane 1: Molecular weight markers. Lane 2: MBP-ErpN/OspE fusion protein (arrow;  $59.5\ \text{kDa}$  expected MW). Lane 3: fusion protein (MBP-tagged) plus cleaved fusion proteins (without MBP). Lane 4: MBP alone. The lower bands are probably breakdown products. The upper bands in lane 3 are fusion protein (top band), or breakdown products of the fusion protein (bands in middle of blot). Protein was run on a 4-20% gel, then transferred to  $0.45\ \mu\text{m}$  nitrocellulose. After blocking with 1% BSA-TTBS overnight at  $4^{\circ}\text{C}$ , 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).