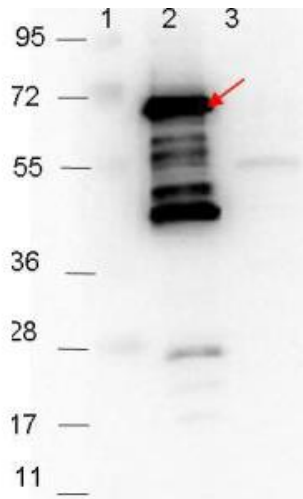


Antibody Datasheet

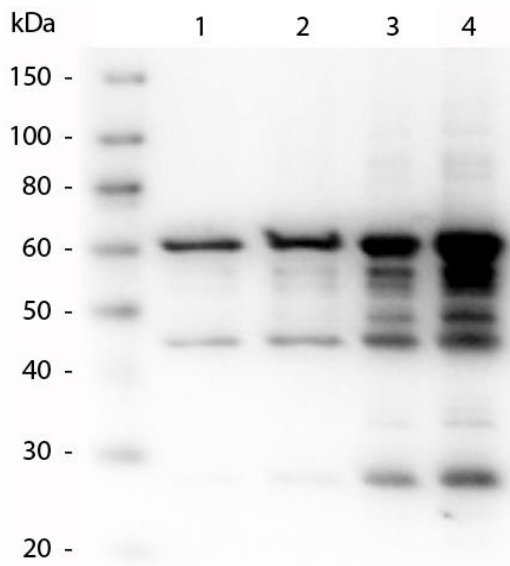
Product Name:	Rabbit anti <i>Borrelia burgdorferi</i> P35
Product:	Purified rabbit anti P35 antibody, unconjugated
Product Type:	Polyclonal
Isotype:	Rabbit IgG
Product code:	PAB21456-25
Batch Number:	R001218
Amount:	25 µl (1.0 mg/mL by UV absorbance at 280 nm)
Physical State:	Liquid (sterile filtered)
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> P35 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> p35 protein. A BLAST analysis was used to suggest cross-reactivity with p35 from <i>B. burgdorferi</i> , <i>garinii</i> , and <i>afzelii</i> sources based on 100% homology with the immunizing sequence. Cross-reactivity with p35 from other sources has not been determined.
Applications:	ELISA (1:5000), 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 P35 protein. Lane 1: Molecular weight markers. Lane 2: MBP-P35 fusion protein (arrow; expected MW: 69.5 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).



Western Blot of Rabbit anti-P35 antibody. Lane 1: P35 recombinant protein 50 ng loaded. Lane 2: p35 recombinant protein 100 ng loaded. Lane 3: p35 recombinant protein 250 ng loaded. Lane 4: p35 recombinant protein 500 ng loaded. Primary antibody: P35 antibody at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Blocked for 30 min at room temperature. Predicted/Observed size: 60 kDa for P35. Other band(s): P35 splice variants and isoforms.

