



Rabbit Anti-*B. burgdorferi* Polyclonal antibody [HRP] (DPAB0186)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Reactive Western blot bands at 83kD, 41kD, 34kD and 31kD and additional low MW bands. Cross-reacts with <i>Treponema pallidum</i> , <i>B. hermsii</i> and <i>B. parkerii</i> .
Target	<i>B. burgdorferi</i>
Immunogen	Whole cell preparation from <i>B. burgdorferi</i> .
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	<i>B. burgdorferi</i>
Purification	Purified IgG fraction of antiserum covalently coupled to a highly purified preparation of Horseradish Peroxidase (RZ3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is removed.
Conjugate	HRP
Applications	Suitable for use in Western blot, immunocytochemistry and immunohistochemistry (formalin-fixed/paraffin). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	HRP, Liquid
Concentration	1-2mg/ml (OD _{280nm} , E0.1% = 1.4)
Size	1 ml
Buffer	PBS containing 10mg/ml BSA

Preservative	None
Storage	Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	Borrelia burgdorferi is a spirochete and the cause of Lyme disease, a tick transmitted illness of humans and animals. B. burgdorferi may persist in humans and animals for months or years following initial infection, despite a robust humoral immune response. B. burgdorferi resembles other spirochetes in that it is a highly specialized, motile, two-membrane, spiral shaped bacteria which lives primarily as an extracellular pathogen. B. burgdorferi has an unusual genome compared with other eubacteria which includes a linear chromosome approximately one megabase in size and numerous linear and circular plasmids.
Keywords	Bacteria; Spirochaetes; Spirochaetales; Spirochaetaceae; Borrelia; Borrelia burgdorferi; B burgdorferi; B. burgdorferi; Lyme disease; BORRELIA BURGDORFERI; LYME