



[Go to Product page](#)

Datasheet for ABIN1713346
anti-Borrelia Burgdorferi antibody

Overview

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| Quantity: | 100 µL |
| Target: | Borrelia Burgdorferi |
| Reactivity: | Borrelia burgdorferi |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Borrelia Burgdorferi antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from Borrelia burgdorferi Outer surface protein A |
| Isotype: | IgG |
| Cross-Reactivity: | Bacteria |
| Cross-Reactivity (Details): | B. burgdorferi, B. afzelii, B. garinii, B. valaisiana and more from the Lyme Disease clade |
| Purification: | Purified by Protein A. |

Target Details

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|-----------|---|
| Target: | Borrelia Burgdorferi |
| Abstract: | Borrelia Burgdorferi Products |

Target Details

Background: Synonyms: ospA, Borreliella burgdorferi, Borrelia, Lyme disease, Lyme disease spirochete, Borreliella afzelii, Borreliella garinii, Borreliella valaisiana, Borreliella bavariensis, Borreliella japonica, Borrelia mayonii, Borreliella yangtze, Borreliella chilensis, Borreliella spielmanii, Borreliella bissettii, Borreliella californiensis, Borrelia lanei, Borreliella lusitaniae, Borreliella finlandensis, Borreliaceae,

Background: 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.

UniProt: [Q04851](#)

Application Details

Application Notes: WB 1:100-1000
IHC-P 1:100-500
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months