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Datasheet for ABIN4997563

## anti-OspA antibody (AA 20-70) (Alexa Fluor 750)

### Overview

Quantity:	100 µL
Target:	OspA
Binding Specificity:	AA 20-70
Reactivity:	Bacteria
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OspA antibody is conjugated to Alexa Fluor 750
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

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

Target:	OspA
Alternative Name:	Borrelia burgdorferi Outer surface protein A ( <a href="#">OspA Products</a> )

## Target Details

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**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

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**Application Notes:** IF(IHC-P) 1:50-200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Storage:** -20 °C

**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

**Expiry Date:** 12 months