Product datasheet

Anti-Staphylococcus aureus antibody ab20920

Overview

Product name: Anti-Staphylococcus aureus antibody
Description: Rabbit polyclonal to Staphylococcus aureus
Host species: Rabbit
Specificity: Soluble and structural antigens of the whole bacterium. Antiserum is not absorbed for related microorganisms.

Tested applications: Suitable for: ICC/IF, IHC-Fr
Species reactivity: Reacts with: Staphylococcus aureus
Immunogen: Staphylococcus aureus strain ATCC 27660 (mixture of intact organisms and lysed cells).

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: pH: 7.20
Preservative: 0.1% Sodium azide
Constituent: 0.0268% PBS
Purity: Protein A purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab20920 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-Fr</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration. Use with acetone fixed tissues.</td>
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Relevance

Staphylococcus aureus are gram-positive bacteria that, although part of the normal flora of humans (nasal passages, skin and mucous membranes), have the potential to become opportunistic pathogens. S. aureus is a frequent cause of a wide range of infections and some bacterial strains have become resistant to many commonly used antibiotics.

Images

ab20920 staining an abscess in rat calf tissue prepared as a 20 μm cryoslice. Tissue was fixed in paraformaldehyde, permeabilised with 0.5% Triton X100 in PBS, and blocked with 10% serum plus 1% BSA for 1 hour at room temperature. The primary antibody was diluted 1/500 with PBS plus 3-5% serum, 0.5% Triton X100 and incubated for 24 hours at 20°C. An Alexa Fluor® 568 goat anti-rabbit was used as the secondary.

ab20920 staining Staphylococcus aureus in human keratinocytes by Immunocytochemistry/ Immunofluorescence. Cells were fixed in methanol, permeabilized using 0.1% saponin/ PBS, blocked with 4% BSA for 30 minutes at 25°C and then incubated with ab20920 at 10µg/ml for 14 hours at 4°C. The secondary used was an Alexa-Fluor 488 conjugated goat anti-rabbit polyclonal used at a 1/100 dilution.

Red: cadherin
Blue: DAPI
Green: anti-Staphylococcus aureus (ab20920)

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