Anti-Smoothelin antibody [R4A] ab8969

Overview

Product name: Anti-Smoothelin antibody [R4A]
Description: Mouse monoclonal [R4A] to Smoothelin
Host species: Mouse
Tested applications: Suitable for: ICC/IF, ICC, IHC-Fr, IHC-P, WB
Species reactivity: Reacts with: Chicken, Cat, Dog, Human, Pig, Monkey
Does not react with: Mouse, Rat, Hamster
Immunogen: Cytoskeletal extract of chicken gizzard.

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: Preservative: 0.09% Sodium azide
Constituent: PBS
Purity: Protein G purified
Clonality: Monoclonal
Clone number: R4A
Myeloma: Sp2/0-Ag14
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab8969 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>ICC</td>
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<td>Use at an assay dependent concentration.</td>
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</table>
Function: Structural protein of the cytoskeleton.

Tissue specificity: Smooth muscle; contractile or vascular (for the long form).

Sequence similarities: Belongs to the smoothelin family. Contains 1 CH (calponin-homology) domain.

Cellular localization: Cytoplasm > cytoskeleton. Exhibits a filamentous organization.

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<tr>
<td>IHC-Fr</td>
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<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-P</td>
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<td>Use at an assay dependent concentration.</td>
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<tr>
<td>WB</td>
<td>🌟🌟🌟🌟🌟</td>
<td>1/100 - 1/1000.</td>
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Target

Function: Structural protein of the cytoskeleton.
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Images

**Immunohistochemical analysis on paraffin section of human smooth muscle labeling Smoothelin with ab8969.**

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Smoothelin antibody [R4A] (ab8969)**

**Human blood vessel in cardiac muscle stained with the monoclonal smoothelin antibody ab8969.**

**Immunocytochemistry/ Immunofluorescence - Anti-Smoothelin antibody [R4A] (ab8969)**
Immunohistochemical analysis on frozen section of chicken gizzard striated muscle labeling Smoothelin with ab8969.

ab8969 staining cells from a human vascular smooth muscle cells by ICC/IF. Cells were PFA fixed and permeabilized in 0.5% Triton X-100 prior to blocking in 10% serum for 10 minutes at 21°C. The primary antibody was diluted 1/100 and incubated with the sample for 1 hour at 21°C. An Rhodamine conjugated donkey anti-mouse antibody, diluted 1/200, was used as the secondary.

Immunohistochemistry on frozen section of chicken gizzard striated muscle labeling Smoothelin with ab8969.

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