Product datasheet

Anti-Profilin 1 antibody [EPR6303] ab133529

Overview

Product name: Anti-Profilin 1 antibody [EPR6303]
Description: Rabbit monoclonal [EPR6303] to Profilin 1
Host species: Rabbit
Tested applications:
- Suitable for: WB, IHC-P
- Unsuitable for: Flow Cyt, ICC or IP
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Synthetic peptide corresponding to residues in the Human Profilin 1 protein (P07737).
Positive control: Jurkat, JAR, HepG2, and 293T cell lysates; and Human kidney tissue.
General notes:
- Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.
- This product is a recombinant rabbit monoclonal antibody.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer:
- pH: 7.40
- Preservative: 0.05% Sodium azide
- Constituents: 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
Purity: Tissue culture supernatant
Clonality: Monoclonal
Clone number: EPR6303
Isotype: IgG

Applications
Our Abpromise guarantee covers the use of ab133529 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
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<td>WB</td>
<td>1/1000 - 1/10000. Predicted molecular weight: 12 kDa.</td>
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<tr>
<td>IHC-P</td>
<td>1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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**Application notes**

Is unsuitable for Flow Cyt, ICC or IP.

**Target**

**Function**

Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG.

**Sequence similarities**

Belongs to the profilin family.

**Cellular localization**

Cytoplasm > cytoskeleton.

**Images**

All lanes: Anti-Profilin 1 antibody [EPR6303] (ab133529) at 1/1000 dilution

Lane 1: Jurkat cell lysate
Lane 2: JAR cell lysate
Lane 3: HepG2 cell lysate
Lane 4: 293T cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 12 kDa
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Profilin 1 antibody [EPR6303] (ab133529)

Immunohistochemistry analysis of Paraffin Embedded Human kidney tissue labelling Profilin 1 with ab133529 at 1/250.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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