

Product datasheet

Anti-Cofilin antibody [EPR6375] - BSA and Azide free  
ab240012

Recombinant RabMAb

3 Images

Overview

<b>Product name</b>	Anti-Cofilin antibody [EPR6375] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR6375] to Cofilin - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human Cofilin aa 1-100. The exact sequence is proprietary.
<b>General notes</b>	Ab240012 is the carrier-free version of <a href="#">ab124979</a> . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab240012 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Properties

<b>Form</b>	Liquid
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<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6375
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab240012** in the following tested applications.

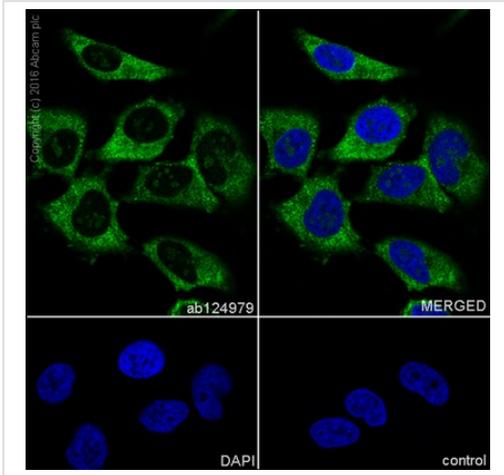
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <a href="#">IHC antigen retrieval protocols</a> .
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 19 kDa.

## Target

<b>Function</b>	Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. It is the major component of intranuclear and cytoplasmic actin rods.
<b>Tissue specificity</b>	Widely distributed in various tissues.
<b>Sequence similarities</b>	Belongs to the actin-binding proteins ADF family. Contains 1 ADF-H domain.
<b>Post-translational modifications</b>	Phosphorylated on Ser-3 in resting cells.
<b>Cellular localization</b>	Nucleus matrix. Cytoplasm > cytoskeleton. Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide.

## Images

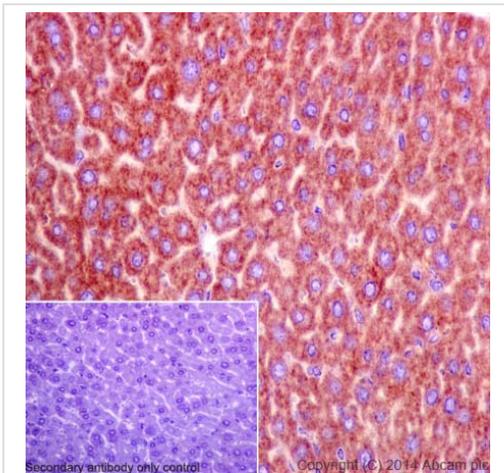


Immunocytochemistry/ Immunofluorescence - Anti-Cofilin antibody [EPR6375] - BSA and Azide free (ab240012)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lines labeling Cofilin with [ab124979](#) at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

The nuclear counterstain is DAPI (blue).

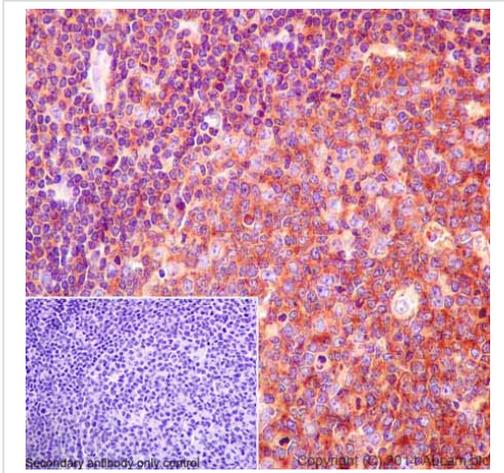
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124979](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cofilin antibody [EPR6375] - BSA and Azide free (ab240012)

Immunohistochemical staining of paraffin embedded mouse liver with purified [ab124979](#) at a working dilution of 1 in 200. The secondary antibody used is [ab97051](#) Goat Anti-Rabbit IgG H&L (HRP) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124979](#)).



Immunohistochemical staining of paraffin embedded human tonsil with purified [ab124979](#) at a working dilution of 1 in 200. The secondary antibody used is [ab97051](#) Goat Anti-Rabbit IgG H&L (HRP) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124979](#)).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cofilin antibody [EPR6375] - BSA and Azide free ([ab240012](#))

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

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