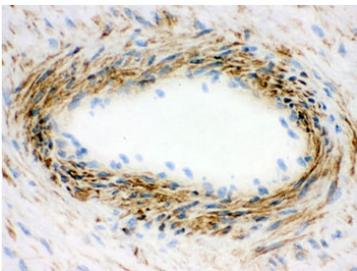


## Actin Antibody / ACTA [clone AC-40] (R30001)

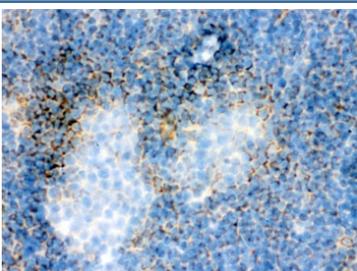
Catalog No.	Formulation	Size
R30001	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

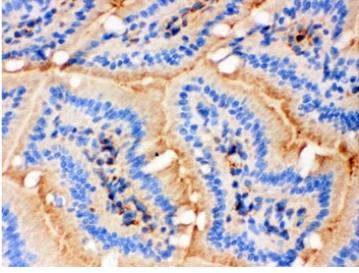
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat, Chicken
<b>Format</b>	Ascites
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a
<b>Clone Name</b>	AC-40
<b>Purity</b>	Unpurified ascites
<b>Gene ID</b>	58
<b>Applications</b>	Western Blot : 2ug/ml IHC (Frozen) : 4ug/ml to detect Actin in methanol-fixed tissues
<b>Limitations</b>	This Actin antibody is available for research use only.



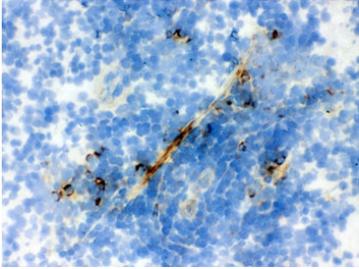
IHC-F testing of frozen human placenta with Actin antibody.



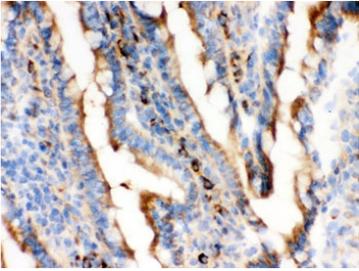
IHC-F testing of frozen mouse spleen with Actin antibody.



IHC-F testing of frozen mouse intestine with Actin antibody.



IHC-F testing of frozen rat spleen with Actin antibody.



IHC-F testing of frozen rat intestine with Actin antibody.

## Description

Actin, a highly conserved protein, is a major component of both the cytoskeletal and contractile structures in the cell types. It varies in amount, being related to the type of differentiation and to the functional state of cells and tissues. The actins exhibit over 90% sequence homology, but each isoform has a unique NH<sub>2</sub>-terminal sequence. The isoforms are comprised of three alpha-actin, one beta-actin, two gamma-actin. Because the amino acid sequence of the C-terminal is the same for almost all actins, this antibody has been raised using a synthetic peptide corresponding to the C-terminal 11 residues.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Actin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A C-terminal peptide (SGPSIVHRKCF) from human ACTA was used as the immunogen for this Actin antibody.

## Storage

After reconstitution, the Actin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

