

# Calponin Rabbit mAb

Catalog No.: A3734

Recombinant

4 Publications

## Basic Information

### Observed MW

35kDa

### Calculated MW

33kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0232

## Background

Predicted to enable actin binding activity. Involved in negative regulation of vascular associated smooth muscle cell proliferation. Located in cytoskeleton.

## Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100- 1:500
IF/ICC	1:50 - 1:200

## Immunogen Information

### Gene ID

1264

### Swiss Prot

P51911

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 198-297 of human Calponin (P51911).

### Synonyms

SMCC; Sm-Calp; HEL-S-14; Calponin

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

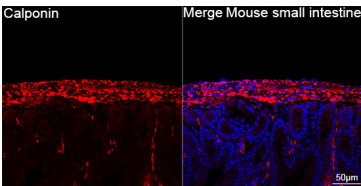
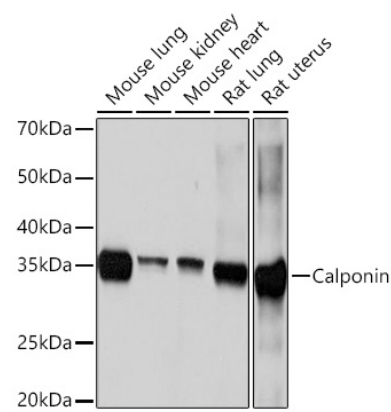
Affinity purification

### Storage

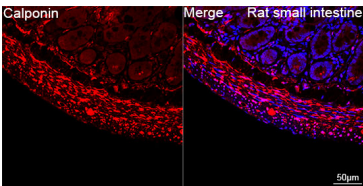
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

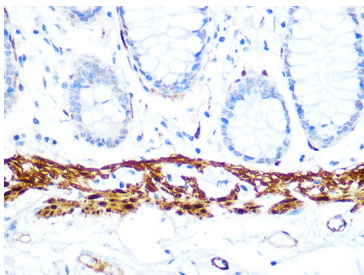
Validation Data



Confocal imaging of paraffin-embedded Mouse small intestine tissue using Calponin Rabbit mAb (A3734, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Confocal imaging of paraffin-embedded Rat small intestine tissue using Calponin Rabbit mAb (A3734, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of Calponin in paraffin-embedded human colon using Calponin Rabbit mAb (A3734) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.