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Technology
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Calponin Rabbit mAb

Catalog No.: A3734   `Recombinant`   `7 Publications`

Basic Information

Observed MW
35kDa

Calculated MW
33kDa

Category
Primary antibody

Applications
WB,IF-P,IHC-P,ELISA

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	1:1000 - 1:6000
IF-P	1:200 - 1:800
IHC-P	1:1000- 1:5000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1264

Swiss Prot
P51911

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

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

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

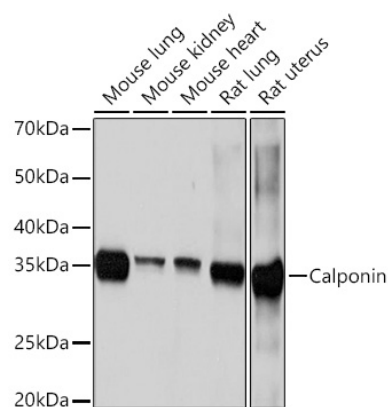| **Source**	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Western blot analysis of various lysates using Calponin Rabbit mAb (A3734) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.
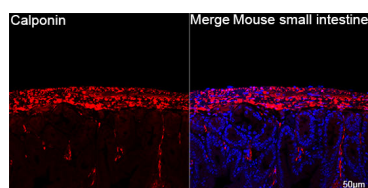


Confocal imaging of paraffin-embedded Mouse small intestine tissue using Calponin Rabbit mAb (A3734,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen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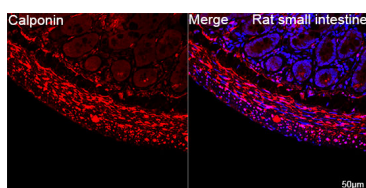

Confocal imaging of paraffin-embedded Rat small intestine tissue using Calponin Rabbit mAb (A3734, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen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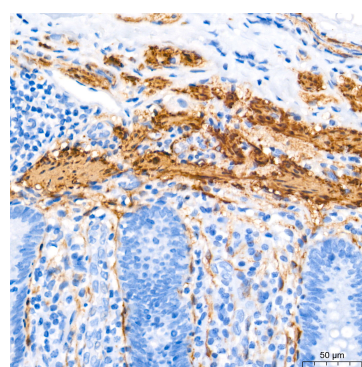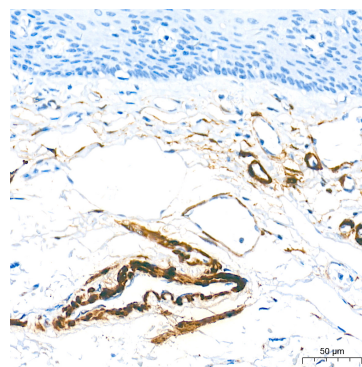

Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using Calponin Rabbit mAb (A3734) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
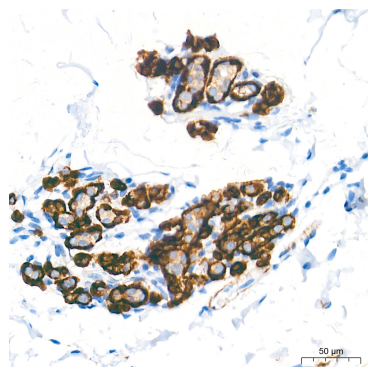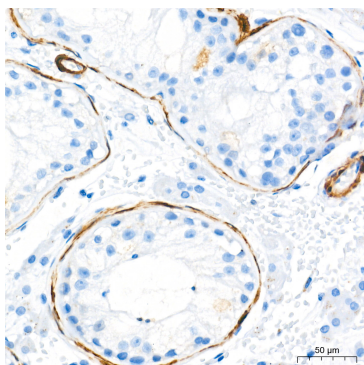

Immunohistochemistry analysis of paraffin-embedded Human breast tissue using Calponin Rabbit mAb (A3734) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
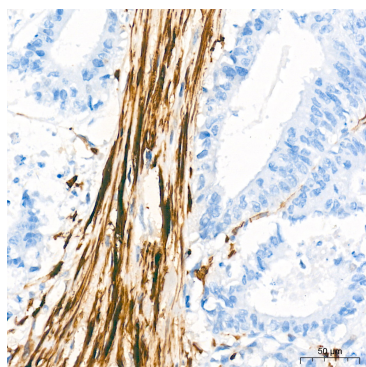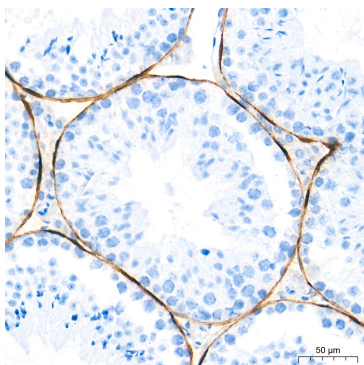

Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Calponin Rabbit mAb (A3734) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Calponin Rabbit mAb (A3734) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
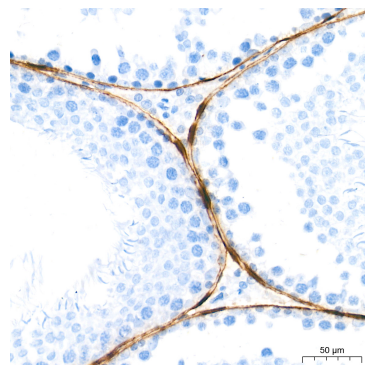
Immunohistochemistry analysis of paraffin-embedded Human testis tissue using Calponin Rabbit mAb (A3734) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Calponin Rabbit mAb (A3734) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using Calponin Rabbit mAb (A3734) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.