

Calponin Monoclonal Antibody

CAB3734

Description

This Calponin Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB3734

Contents: 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

Category: Monoclonal Antibody

Synonyms: SMCC, Sm-Calp, HEL-S-14, Calponin

Clone: ARC0232

Applications: WB IHC-P ELISA IF-P

Conjugation: Unconjugated

Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 1264

Uniprot: AB_2863131

Host Species: Rabbit

Purification: Affinity purification

Observed MW: 35kDa

Calculated MW: 33kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

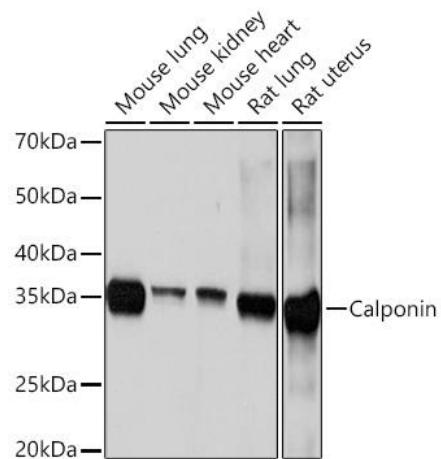
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: Mouse lung, Mouse kidney, Mouse heart, Rat lung, Rat uterus

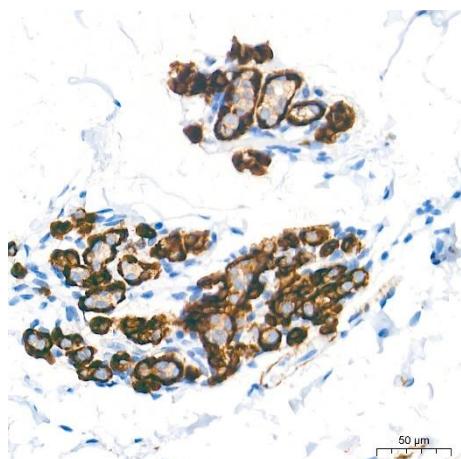
Recommended Dilutions:	WB	1:1000 - 1:6000
	IF-P	1:200 - 1:800
	IHC-P	1:1000- 1:5000
	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

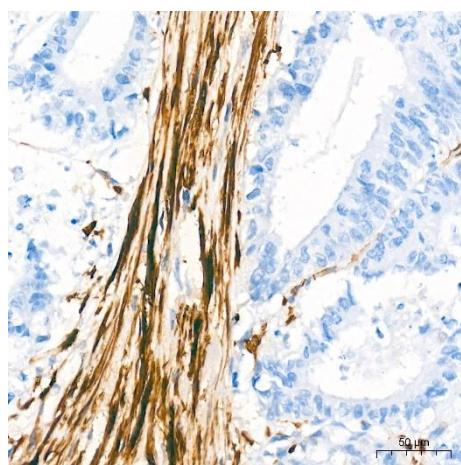
Validation Data



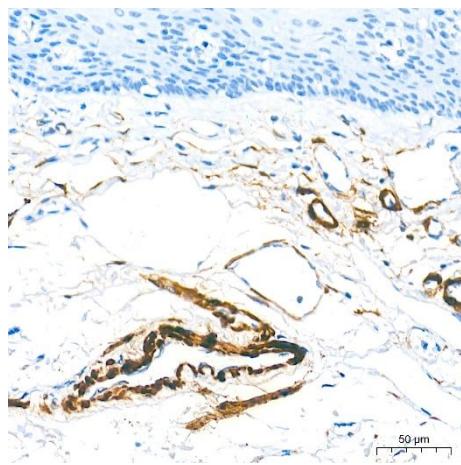
Western blot analysis of various lysates using Calponin Rabbit mAb (CAB3734) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human breast tissue using Calponin Rabbit mAb (CAB3734) 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 (CAB3734) 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 (CAB3734) 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.

