

Calponin-1 (AB1288) mouse mAb

W0462

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 33 kDa (calculated)
- 34 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

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

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1288

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 200 of the human Calponin - 1 protein.

Specificity The antibody can specifically recognize human and mouse calponin-1 protein. In western blotting of HeLa, LnCap and mouse muscle lysates, the antibody can label a 34 kDa band corresponding to calponin-1.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name CNN1

Protein Name Calponin-1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P51911	1264

Background Calponin-1 is a calcium regulatory protein that binds tropomyosin and F-actin. It is a specific protein of smooth muscle cells and has the function of inhibiting the contraction of smooth muscle cells. It is expressed in smooth muscle and myoepithelial cells, as well as myofibroblasts. It is mainly used to study the distribution of myoepithelial cells in smooth muscle tumors and breast tissues.