

Calponin-1 (AB1288) mouse mAb

V0209

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

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

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:100

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.
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.
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