

39-1010: Anti-Calponin Monoclonal Antibody (Clone: CP-93) (discontinued)

Clonality :	Monoclonal
Clone Name :	CP-93
Application :	ICC,WB
Reactivity :	Human
Gene :	Cnn2
Gene ID :	12798
Uniprot ID :	Q08093
Alternative Name :	Calponin-2; Calponin H2, smooth muscle; Neutral calponin; Cnn2
Isotype :	Mouse IgG1
Immunogen Information :	Turkey gizzard calponin

Description

Calponin is a basic 34-kD protein first isolated from chicken gizzard and bovine aorta. It is specifically expressed in smooth muscle and binds calmodulin, actin, and tropomyosin. It is able to inhibit the ATPase activity of myosin and is thought to play a role in smooth muscle contraction. Calponin is a smooth muscle specific, actin-, tropomyosin- and calmodulin-binding protein thought to be involved in some way in the regulation or modulation of contraction.

Product Info

Amount :	100 µg/vial
Purification :	Ascites
Content :	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Storage condition :	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Application Note

Western blot : 0.25-0.5 $\hat{1}$ /₄g/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1 $\hat{1}$ /₄g/ml; Immunocytochemistry : 1 $\hat{1}$ /₄g/ml