

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

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

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	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 µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1 µg/ml;  
Immunocytochemistry : 1 µg/ml