

Anti-Calponin Cnn2 Antibody (Monoclonal, CP-93)

Catalog Number: MA1011

About Cnn2

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.

Overview

Product Name	Anti-Calponin Cnn2 Antibody (Monoclonal, CP-93)
Reactive Species	Chicken, Human, Turkey
Description	Boster Bio Anti-Calponin Cnn2 Antibody (Monoclonal, CP-93) catalog # MA1011. Tested in IHC, ICC, WB applications. This antibody reacts with Chicken, Human, Turkey.
Application	IHC, ICC, WB
Clonality	Monoclonal CP-93
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q08093

Technical Details

Immunogen	Turkey gizzard calponin
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 µg/ml.
Purification	Ascites
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used Immunohistochemistry (Paraffin-embedded Section),

0.5-1 μ g/ml, Human, chicken, turkey, By Heat

Immunocytochemistry , 1 μ g/ml, Human, chicken, turkey, -

Western blot, 0.25-0.5 μ g/ml, Human, chicken, turkey

For protocols, please visit <https://www.bosterbio.com/protocol-and-troubleshooting/>

Anti-Calponin Cnn2 Antibody (Monoclonal, CP-93) (MA1011) Images



Boster Kit Box

1 Publications Citing This Product

1. PubMed ID: 26071935, Liu C, Chen L, Zeng J, Cui J, Ning Jn, Wang Gs, Belguise K, Wang X, Qian Gs, Lu Kz, Yi B. Exp Cell Res. 2015 Aug 1;336(1):109-18. Doi: 10.1016/J.Yexcr.2015.05.025. Epub 2015 Jun 10. Bone Morphogenic Protein-2 Regulates The Myogenic Differentiation...

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