

Calponin 2 Antibody [clone CP-19] (R30010)

Catalog No.	Formulation	Size
R30010	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Chicken, Turkey
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	CP-19
Purity	Ascites
Gene ID	1265
Applications	Western Blot : 0.25-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml Immunocytochemistry : Suitable
Limitations	This Calponin 2 antibody is available for research use only.



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 though to be involved in some way in the regulation or modulation of contraction.

Application Notes

Variations in secondary/substrate sensitivities and test protocols may require the Calponin 2 antibody to be titrated for optimal performance.

Immunogen

Turkey gizzard calponin was used as the immunogen for this Calponin 2 antibody

Storage

The lyophilized Calponin 2 antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freeze/thaws.