# 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<br>IHC (FFPE): 0.5-1ug/ml<br>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 though 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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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