

Mouse monoclonal antibody to Calponin: IgG

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| Catalogue No.: | M-970-100 |
| Description: | Calponin is a thin filament associated protein that binds calmodulin, actin and tropomyosin. The multi-gene family of calponins includes calponin 1 (CNN1), 2 (CNN2) and 3 (CNN3). CNN1 is expressed in smooth muscle and tissues containing significant amounts of smooth muscle. This antibody is predicted to detect all three forms of calponin. |
| Batch No.: | See product label |
| Unit size: | 100 ug |
| Antigen: | Turkey gizzard calponin |
| Other Names: | CNN1; Calponin-1; CNN2; CNN3; |
| Accession: | P51911 CNN1_HUMAN; |
| Produced in: | Mouse |
| Purity: | IgG1 |
| Applications: | Immunohistochemistry (IHC) , Immunocytochemistry (IC) and Western Blotting (WB). A concentration of 0.25-0.50 ug/mL is recommended for WB. Human calponin has a predicted length of 297 aa and a MW of 34 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect calponin in formalin fixed and paraffin embedded tissues. Heat retrieval is recommended. A concentration of 1 ug/mL is recommended for immunocytochemistry. Biosensis recommends optimal dilutions/concentrations should be determined by the end user. |
| Specificity: | The specificity of this antibody has been confirmed by WB and IHC against the antigen. |
| Cross-reactivity: | Human; chicken; turkey |
| Form: | Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃ |
| Storage: | At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months after purchase (unopened). |

FOR RESEARCH USE ONLY
