

Mouse monoclonal antibody to Calponin: IgG

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).

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