Recombinant Caldesmon/CDM Monoclonal Antibody

catalog number: **AN301452L**

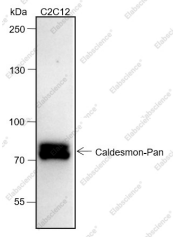
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human Caldesmon/CDM fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111075
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:200-1:1000
IF	1:50

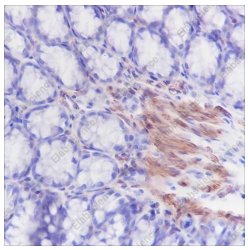
Data



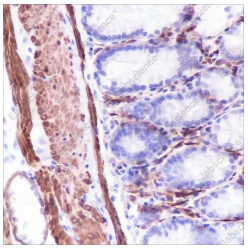
Western Blot with Caldesmon/CDM Monoclonal Antibody at dilution of 1:1000. Lane 1: C2C12

Observed-MW:75 kDa

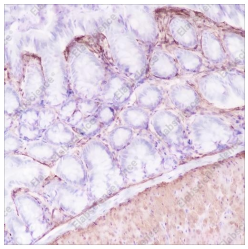
Calculated-MW:93 kDa



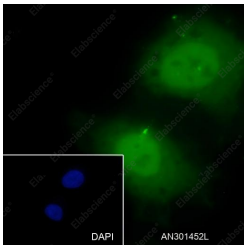
Immunohistochemistry of paraffin-embedded Human colon using Caldesmon/CDM Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse colon using Caldesmon/CDM Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Rat colon using Caldesmon/CDM Monoclonal Antibody at dilution of 1:1000.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-Caldesmon/CDM Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Actin- and myosin-binding protein implicated in the regulation of actomyosin interactions in smooth muscle and nonmuscle cells (could act as a bridge between myosin and actin filaments). Stimulates actin binding of tropomyosin which increases the stabilization of actin filament structure. In muscle tissues, inhibits the actomyosin ATPase by binding to F-actin. This inhibition is attenuated by calcium-calmodulin and is potentiated by tropomyosin. Interacts with actin, myosin, two molecules of tropomyosin and with calmodulin. Also plays an essential role during cellular mitosis and receptor capping.

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