

Caldesmon Polyclonal Antibody

Catalog Number:E-AB-13956

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

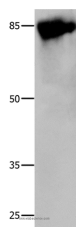
Description

Reactivity	Human,Rat
Immunogen	Recombinant protein of human Caldesmo
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

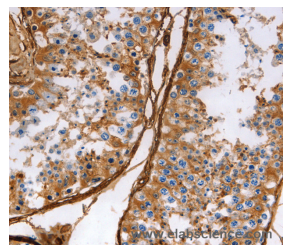
Applications Recommended Dilution

WB	1:1000-1:5000
IHC	1:50-1:150

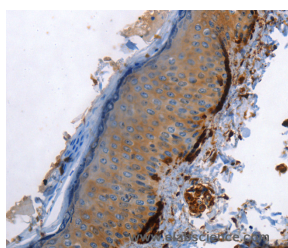
Data



Western Blot analysis of 293T cell using Caldesmon Polyclonal Antibody at dilution of 1:800
Calculated Mw:63kDa



Immunohistochemistry of paraffin-embedded Human testis using Caldesmon Polyclonal Antibody at dilution of 1:40



Immunohistochemistry of paraffin-embedded Human skin using Caldesmon Polyclonal Antibody at dilution of 1:40

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction.

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Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.

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