

## Caldesmon Polyclonal Antibody

**catalog number: E-AB-13956**

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

### Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human;Rat  |
| <b>Immunogen</b>    | Recombinant protein of human Caldesmo  |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Affinity purification  |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

### Applications

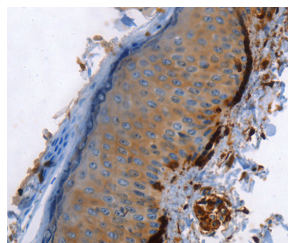
| Applications | Recommended Dilution |
|--------------|----------------------|
| <b>WB</b>    | 1:1000-1:5000        |
| <b>IHC</b>   | 1:50-1:150           |

### Data

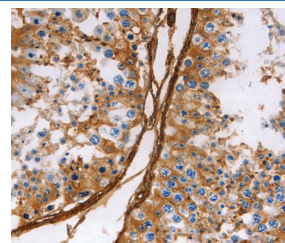


Western Blot analysis of 293T cell using Caldesmon Polyclonal Antibody at dilution of 1:800

**Calculated-MW:63 kDa**



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



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

### Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.  |
| <b>Shipping</b> | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

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

### For Research Use Only