

Recombinant

DGRmAb®

**Phospho-Caldesmon (Thr730) (DGR12930) Rabbit mAb**

db14048

Package : 10µL 20µL 50µL 100µL

**Product Name** : Phospho-Caldesmon (Thr730) (DGR12930) Rabbit mAb**Cat.No.:** db14048**Synonyms** : CDM; HCAD; LCAD; H-CAD; L-CAD; NAG22**Application** : WB, IP**Reactivity** : Human**Host species** : Rabbit**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. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic phosphopeptide corresponding to residues surrounding Thr730 of human Caldesmon

**Gene ID**

800

**Swiss Prot**

Q05682

**Synonyms**

CDM; HCAD; LCAD; H-CAD; L-CAD; NAG22

**Reactivity**

Human

**Application**

WB, IP

**Recommended dilution**

WB: 1:1000-1:5000

IP: 1:10

**Calculated MW**

93 kDa

**Observed MW**

80 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR12930

**Isotype**

IgG

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<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.