

## CALDESMON RABBIT MAB

**Cat.#:** N263247

**Product Name:** Anti-Caldesmon Rabbit Monoclonal Antibody

**Synonyms:** CDM; HCAD; LCAD; H-CAD; L-CAD; NAG22

**UNIPROT ID:** Q05682

**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.

**Immunogen:** A synthetic peptide of human Caldesmon/CDM

**Applications:** WB,IHC-P

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R01-1G4

**MW:** Calculated MW: 93 kDa; Observed MW: 80 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Rat

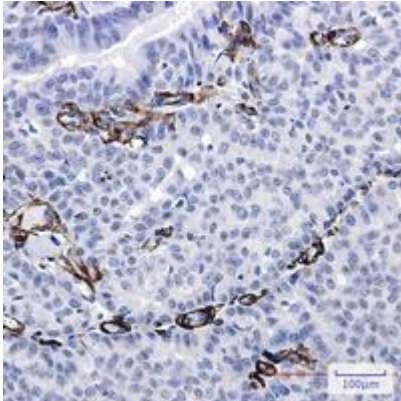
**Conjugation:** Unconjugated

**Modification:** Unmodified

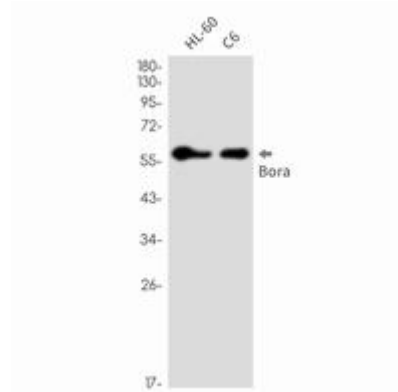
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cell Biology

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Caldesmon/CDM antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Caldesmon/CDM in HeLa, C6 lysates using Caldesmon antibody.