

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

CALD1 RABBIT PAB

Cat.#: S216379

Product Name: Anti-CALD1 Rabbit Polyclonal Antibody **Synonyms:** CDM, HCAD, LCAD, H-CAD, L-CAD, NAG22 **UNIPROT ID:** Q05682 (Gene Accession - BC040354)

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.

Immunogen: Fusion protein of human CALD1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-150;WB: 1000-5000;ELISA: 2000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

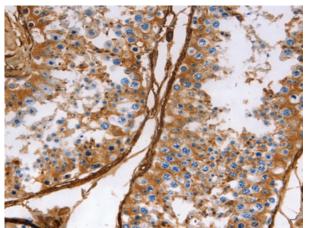
Research Areas: Signal Transduction, Cardiovascular

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

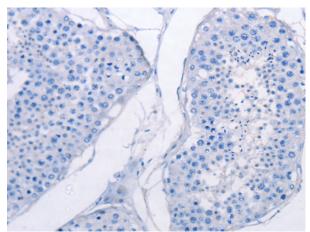


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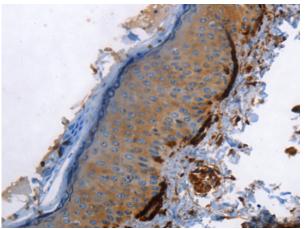
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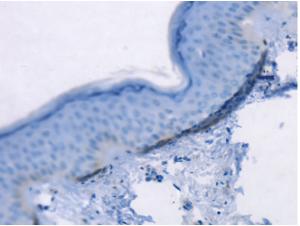
Immunohistochemistry analysis of paraffin embedded Human testis tissue using 216379(CALD1 Antibody) at a dilution of 1/40(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human testis tissue is first treated with the fusion protein and then with 216379(Anti-CALDI Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human skin tissue using 216379(Anti-CALD1 Antibody) at a dilution of 1/40.



In comparision with the IHC on the left, the same paraffin-embedded Human skin tissue is first treated with fusion protein and then with D220327(Anti-CALDI Antibody) at dilution 1/40.



Gel: 10%SDS-PAGE, Lysate: 30 µg;

Lane: 293T cells;

Primary antibody: 216379(CALD1 Antibody) at

dilution 1/800;

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution;

Exposure time: 30 seconds



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