

Rabbit anti-Human Caldesmon Polyclonal Antibody | anti-CALD1 antibody

Rabbit anti-Caldesmon Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212525	Rabbit	Human	Immunohistochemistry, Immunoprecipitation

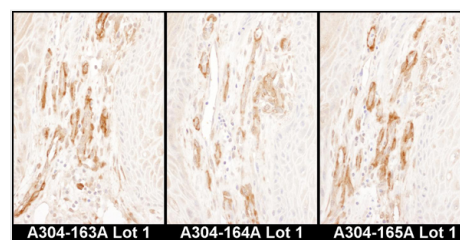
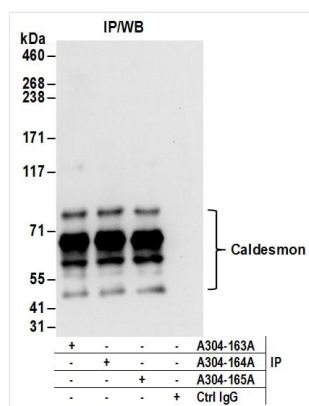
PRODUCT SYNONYMS

Caldesmon; Polyclonal Antibody; Rabbit anti-Caldesmon Antibody; Affinity Purified; NAG22; caldesmon; testis secretory sperm-binding protein Li 227n; L-CAD; LCAD; H-CAD; H-CAD; CDM; caldesmon 1; anti-CALD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CALD1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation)
Predicted Reactivity	Rat, Chicken, Turkey
Immunogen	Between 700 and 750
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



IHC (Immunohistochemistry)

Detection of human Caldesmon by immunohistochemistry. Samples: FFPE serial sections of human skin squamous cell carcinoma. Antibody: Affinity purified rabbit anti-Caldesmon Cat. No. Lot1 (left image), AAA212525 Lot1 (middle image) and Cat. No. Lot1 (right image), used at a dilution of 1:1,000 (1ug/ml). Detection: DAB. Counterstain: IHC Hematoxylin (blue).

IP (Immunoprecipitation)

Detection of human Caldesmon by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-Caldesmon antibody AAA212525 (lot AAA212525-1) used for IP at 6 ug/mg lysate. Caldesmon was also immunoprecipitated by rabbit anti-Caldesmon antibodies and For blotting immunoprecipitated Caldesmon, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CALD1 antibody	Caldesmon is a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of caldesmon 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 [taken from NCBI Entrez Gene (Gene ID: 800)].
Product Categories/Family for anti-CALD1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826657
NCBI GeneID	800
NCBI Accession #	NP_004333.1
NCBI GenBank Nucleotide #	NM_004342.6
UniProt Accession #	Q05682; Q13978; Q13979; Q14741; Q14742; Q9UD91; A8K0X1
Molecular Weight	93,231 Da
NCBI Official Full Name	caldesmon isoform 2
NCBI Official Synonym Full Names	caldesmon 1
NCBI Official Symbol	CALD1
NCBI Official Synonym Symbols	CDM; HCAD; LCAD; H-CAD; L-CAD; NAG22
NCBI Protein Information	caldesmon
UniProt Protein Name	Caldesmon
UniProt Gene Name	CALD1
UniProt Synonym Gene Names	CAD; CDM; CDM
UniProt Entry Name	CALD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/caldesmon-antibody-immunohistochemistry-immunoprecipitation-elisa/212525>