

Rabbit anti-Human Caldesmon, HMW (h-Caldesmon) Monoclonal Antibody | anti-CALD1 antibody

Caldesmon, HMW (h-Caldesmon)(Smooth Muscle Marker) Recombinant Rabbit Monoclonal Antibody [Clone CALD1/7024R]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215996	Rabbit	Human	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Caldesmon; HMW (h-Caldesmon); Monoclonal Antibody; HMW (h-Caldesmon)(Smooth Muscle Marker) Recombinant Rabbit Monoclonal Antibody [Clone CALD1/7024R]; HMW (h-Caldesmon)(Smooth Muscle Marker); CAD; CALD1; Caldesmon 1 Isoform 1; Caldesmon 1 Isoform 2; Caldesmon 1 Isoform 3; Caldesmon 1 Isoform 4; Caldesmon 1 Isoform 5; CDM; HCAD; LCAD; NAG22; anti-CALD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	CALD1/7024R
Form/Format	200ug/ml of Ab purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-CALD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant human full-length CALD1 protein
Cellular Localization	Cytoplasm
Positive Control	Blood vessels in all tissues, smooth muscle or leiomyosarcoma.
Hu-chromosome Location	7q33
Unigene	490203
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified h-CALDRabbit RecombinantMonoclonal Antibody
(CALD1/7024R). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CALD1 antibody	Recognizes a protein of 150kDa, which is identified as the high molecular weight variant of Caldesmon. Two closely related variants of human caldesmon have been identified which are different in their electrophoretic mobility and cellular distribution. The h-caldesmon variant (120 150kDa) is predominantly expressed in smooth muscle whereas l-caldesmon (70 80kDa) is found in non- muscle tissue and cells. Neither of the two variants has been detected in skeletal muscle. This MAb recognizes only the 150kDa variant (h-caldesmon) in Western blots of human aortic media extracts and is unreactive with fibroblast extracts from cultivated human foreskin. Caldesmon is a developmentally regulated protein involved in smooth muscle and non-muscle contraction.
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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://stage.aaabiotech.com/monoclonal/caldesmon-hmw-h-caldesmon-antibody-clone-cald1-7024r-immunohistochemistry-western-blot-elisa/215996>