

Mouse anti-Human Caldesmon Monoclonal Antibody | anti-CALD1 antibody

Caldesmon

CATALOG # AAA59273	HOST Mouse	REACTIVITY Human
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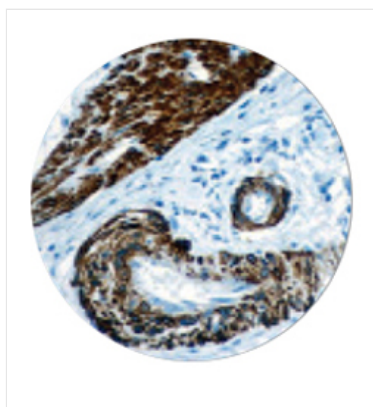
PRODUCT SYNONYMS

Caldesmon; Monoclonal Antibody; anti-CALD1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1/K
Clone Number	CALD-31
Form/Format	Anti-Caldesmon (CALD-31) is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Appendix, Uterus, Leiomyoma
Localization	Cytoplasmic
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohistochemistry)

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:100-1:400	0.1 ml
Concentrated	1:100-1:400	0.5 ml
Concentrated	1:100-1:400	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-CALD1 antibody	Caldesmon 1, also known as CALD1, is a human gene. Caldesmon is a calmodulin-binding protein. Like Calponin, Caldesmon tonically inhibits the ATPase activity of myosin in smooth muscle. This gene encodes a Calmodulin and actin-binding protein that play an essential role in the regulation of smooth muscle and nonmuscle contraction. Two closely-related variants of human Caldesmon have been identified. The h-Caldesmon variant (120 -150 kD) is predominantly expressed in smooth muscle, whereas l-Caldesmon (70 -80 kD) is found in non-muscle tissue and cells. Neither of the two variants has been detected in skeletal muscle. Anti-Caldesmon recognizes only the h-Caldesmon variant. Anti-Caldesmon antibody labels smooth muscle and tumors of smooth muscle, myofibroblastic, and myoepithelial differentiation. Anti-Caldesmon has also been used to differenti-ate Epithelioid Mesothelioma from Serous Papillary Carcinoma of the ovary.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	180195
NCBI GeneID	800
UniProt Accession #	Q05682; Q13978; Q13979; Q14741; Q14742; Q9UD91; Q05DR4; Q5HY93; Q6P707; Q6PJM5; Q7Z2Y9; Q8NI76; Q9NYG1
Molecular Weight	93,231 Da
NCBI Official Full Name	caldesmon
NCBI Official Synonym Full Names	caldesmon 1
NCBI Official Symbol	CALD1
NCBI Official Synonym Symbols	CDM; HCAD; LCAD; H-CAD; L-CAD; NAG22; MGC21352
NCBI Protein Information	caldesmon; OTTHUMP00000207948; OTTHUMP00000207949; OTTHUMP00000207950; OTTHUMP00000207952; OTTHUMP00000207953; OTTHUMP00000207954; OTTHUMP00000207955; OTTHUMP00000214473
UniProt Protein Name	Caldesmon
UniProt Gene Name	CALD1
UniProt Synonym Gene Names	CAD; 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-antibody-clone-cald-31-elisa/59273>