

For Research Use Only

CALD1 Monoclonal antibody

Catalog Number: 66693-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number:

66693-1-Ig

Size:

1381 μ g/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG13676

GenBank Accession Number:

BC040354

GeneID (NCBI):

800

UNIPROT ID:

Q05682

Full Name:

caldesmon 1

Calculated MW:

538 aa, 63 kDa

Observed MW:

70 kDa~75 kDa

Purification Method:

Protein A purification

CloneNo.:

1E1C11

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:2000-1:8000

IF 1:200-1:800

Applications

Tested Applications:

FC, IF/ICC, IHC, WB, ELISA

Cited Applications:

IF

Species Specificity:

Human, Mouse, Rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : NCI-H1299 cells, HeLa cells, HepG2 cells, PC-3 cells, SKOV-3 cells, A2780 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IHC : human colon cancer tissue, human hystero myoma tissue, mouse colon tissue

IF : HepG2 cells, HeLa cells

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Yuzo Yoshida	35806129	Int J Mol Sci	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

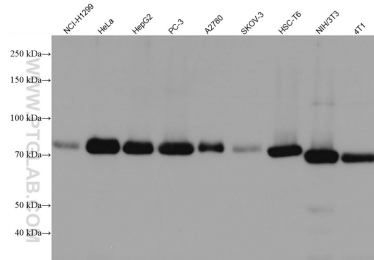
T: 4006900926

E: Proteintech-CN@ptglab.com

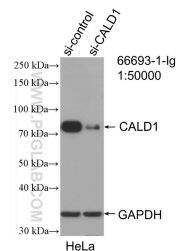
W: ptgcn.com

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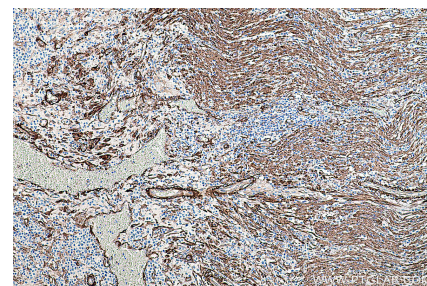
Selected Validation Data



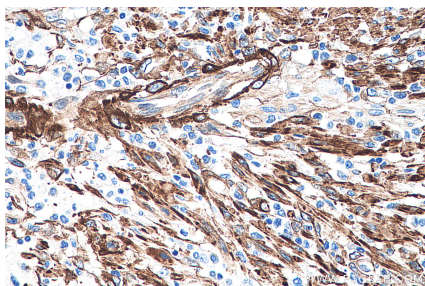
Various lysates were subjected to SDS PAGE followed by western blot with 66693-1-Ig (CALD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



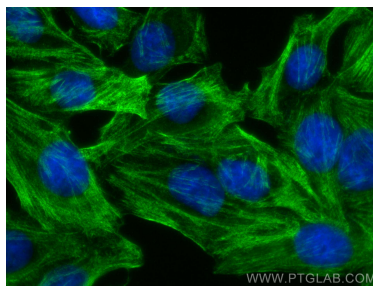
WB result of CALD1 antibody (66693-1-Ig; 1:50000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CALD1 transfected HeLa cells.



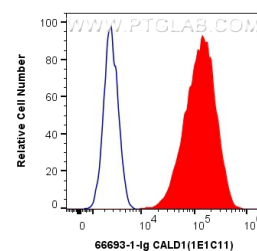
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66693-1-Ig (CALD1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66693-1-Ig (CALD1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CALD1 antibody (66693-1-Ig, Clone: 1E1C11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human CALD1 (66693-1-Ig, Clone:1E1C11) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).