

Product Datasheet

Caldesmon/CALD1 Antibody - BSA Free NBP1-85702

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-85702

Caldesmon/CALD1 Antibody - BSA Free

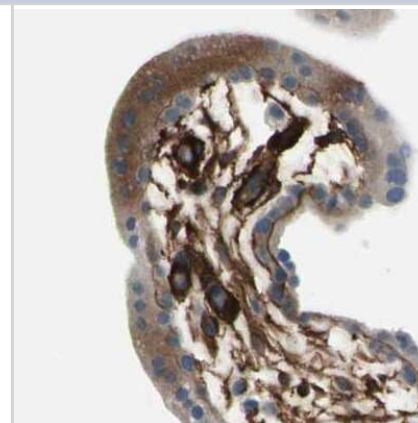
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	800
Gene Symbol	CALD1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SLKIEERAFLNKSQSSGVKSTHQAIVSKIDSRLEQYTSIAIEGTKSAKPTKP AASDLPVPAEGVRNIKSMWEKGNVFSPTAAGTPNKETAGLKVGVSSRINEWL TKTPDGNKSPAPKPSDLRPGDVSSKRNLWEKQSVDKVTS

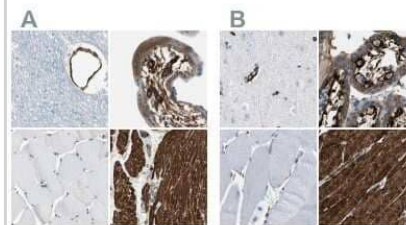
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

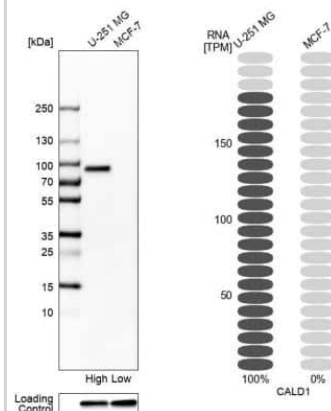
Immunohistochemistry-Paraffin: Caldesmon/CALD1 Antibody [NBP1-85702] - Analysis in human prostate and skeletal muscle tissues using NBP1-85702 antibody. Corresponding CALD1 RNA-seq data are presented for the same tissues.



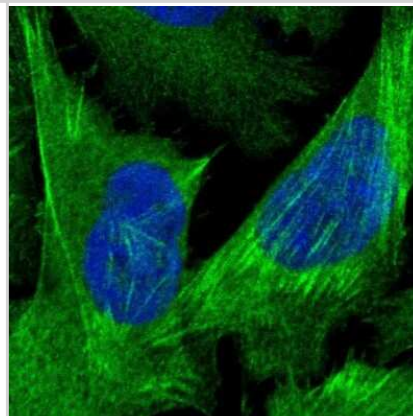
Immunohistochemistry-Paraffin: Caldesmon/CALD1 Antibody [NBP1-85702] - Staining of human cerebral cortex, placenta, skeletal muscle and smooth muscle using Anti-CALD1 antibody NBP1-85702 (A) shows similar protein distribution across tissues to independent antibody NBP1-85701 (B).



Western Blot: Caldesmon/CALD1 Antibody [NBP1-85702] - Analysis in human cell lines U-251MG and MCF-7. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



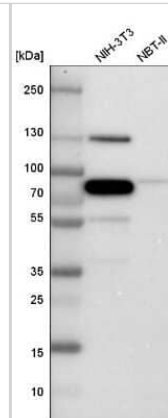
Immunocytochemistry/Immunofluorescence: Caldesmon/CALD1 Antibody [NBP1-85702] - Staining of human cell line U-2 OS shows localization to plasma membrane and actin filaments. Antibody staining is shown in green.



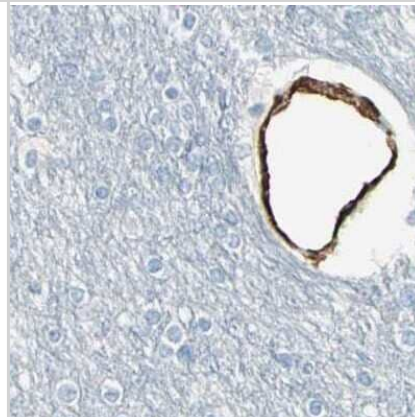
Immunohistochemistry-Paraffin: Caldesmon/CALD1 Antibody [NBP1-85702] - Staining of human skeletal muscle shows moderate cytoplasmic positivity in smooth muscle cells.



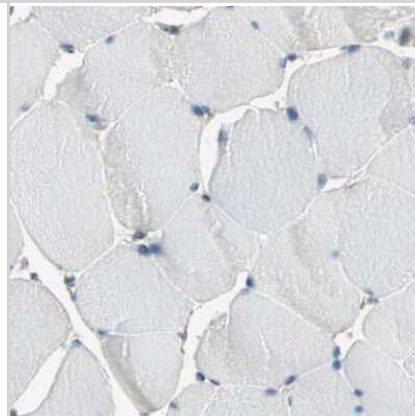
Western Blot: Caldesmon/CALD1 Antibody [NBP1-85702] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



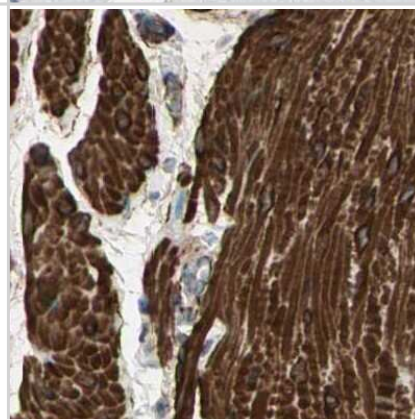
Immunohistochemistry-Paraffin: Caldesmon/CALD1 Antibody [NBP1-85702] - Staining of human prostate shows strong cytoplasmic positivity in smooth muscle cells.



Immunohistochemistry-Paraffin: Caldesmon/CALD1 Antibody [NBP1-85702] - Staining of human testis shows strong cytoplasmic positivity in peritubular myoid cells.



Immunohistochemistry-Paraffin: Caldesmon/CALD1 Antibody [NBP1-85702] - Staining of human fallopian tube shows strong cytoplasmic positivity in smooth muscle cells and blood vessels.



Immunohistochemistry-Paraffin: Caldesmon/CALD1 Antibody [NBP1-85702] - Staining of human duodenum shows strong cytoplasmic positivity in smooth muscle cells.



Publications

Alexandre Calon, Enza Lonardo, Antonio Berenguer-Llargo et al. Stromal gene expression defines poor-prognosis subtypes in colorectal cancer. *Nature Genetics* 2015-02-23 [PMID: 25706628] (IF/IHC, Human)

Stadler C, Hjelmare M, Neumann B et al. Systematic validation of antibody binding and protein subcellular localization using siRNA and confocal microscopy. *J Proteomics* 2012-04-03 [PMID: 22361696]

Fagerberg L, Stadler C, Skogs M et al. Mapping the subcellular protein distribution in three human cell lines. *J Proteome Res* 2011-08-01 [PMID: 21675716]

Kohler CN, et al. Histochemical localization of caldesmon in the CNS and ganglia of the mouse. *J Histochem Cytochem* 2011-05-01 [PMID: 21411712]





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Products Related to NBP1-85702

NBP1-85702PEP	Caldesmon/CALD1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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