

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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Publications: 4

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Updated 12/2/2025 v.20.1

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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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

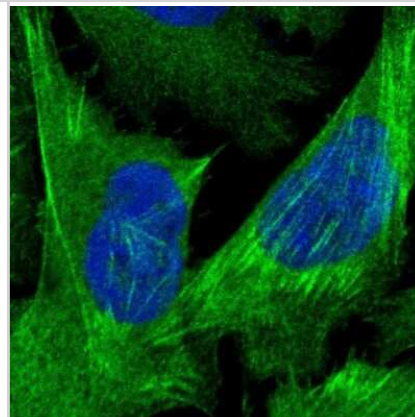
Product Description	
Description	Novus Biologicals Rabbit Caldesmon/CALD1 Antibody - BSA Free (NBP1-85702) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Caldesmon/CALD1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	800
Gene Symbol	CALD1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SLKIEERAFLNKSQKSSGVKSTHQAIVSKIDSRLEQY TSAIEGTKSAKPTKP AASDLPVPAEGVRNIKSMWEKGNVFSPTAAGTPNKETAGLKVGVSSRINEWL TKTPDGNKSPAPKPSDLRPGDVSSKRNLWEKQSVDKVTS

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
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.

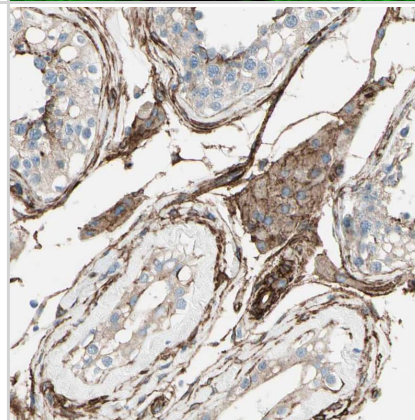


Images

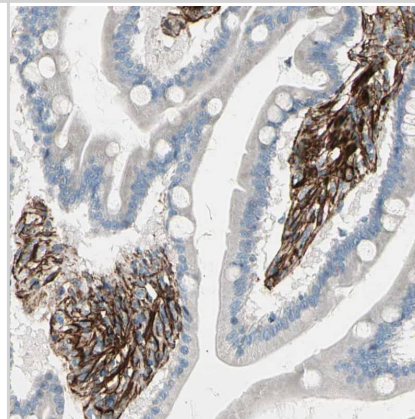
Immunocytochemistry/Immunofluorescence: Caldesmon/CALD1 Antibody [NBP1-85702] - Staining of human cell line U-2 OS shows localization to plasma membrane and actin filaments. Antibody staining is shown in green.



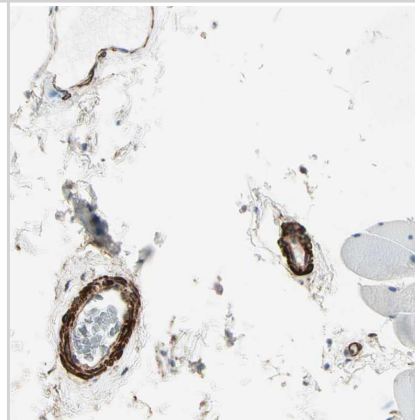
Staining of human testis shows strong cytoplasmic positivity in peritubular myoid cells.



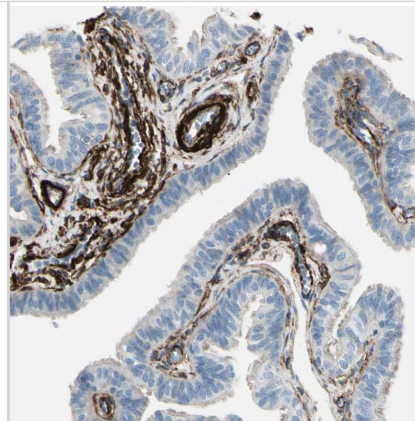
Staining of human duodenum shows strong cytoplasmic positivity in smooth muscle cells.



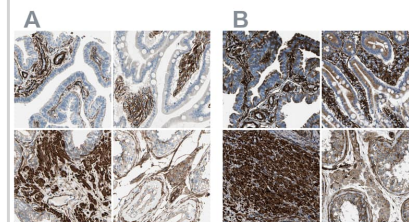
Staining of human skeletal muscle shows moderate cytoplasmic positivity in smooth muscle cells.



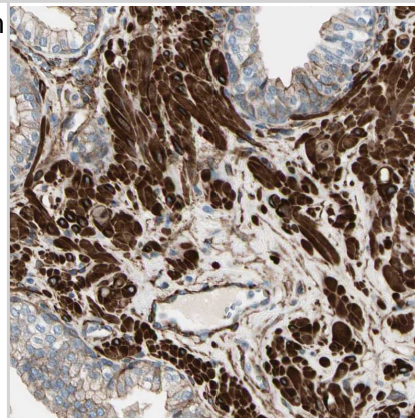
Staining of human fallopian tube shows strong cytoplasmic positivity in smooth muscle cells and blood vessels.



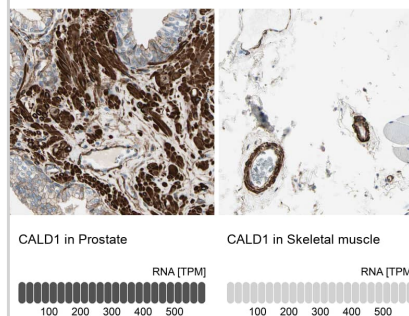
Staining of human fallopian tube, gastrointestinal, prostate and testis using Anti-CALD1 antibody NBP1-85702 (A) shows similar protein distribution across tissues to independent antibody NBP1-85701 (B).



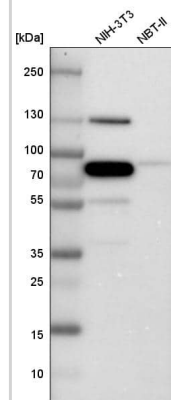
Staining of human prostate shows strong cytoplasmic positivity in smooth muscle cells.



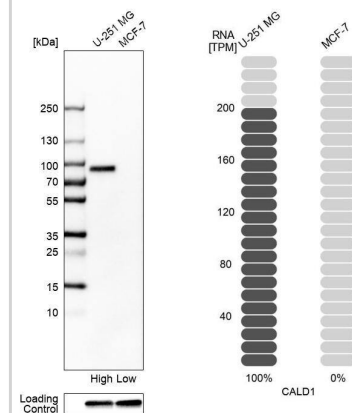
Analysis in human prostate and skeletal muscle tissues using HPA008066 antibody. Corresponding CALD1 RNA-seq data are presented for the same tissues.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Analysis in human cell lines U-251MG and MCF-7 using Anti-CALD1 antibody. Corresponding CALD1 RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



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
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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