

Product Datasheet

LAD1 Antibody - BSA Free NBP1-86126

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: 1

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NBP1-86126

LAD1 Antibody - BSA Free

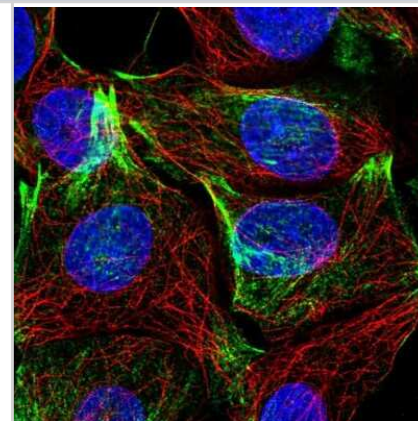
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	3898
Gene Symbol	LAD1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SPRTISFRMKPKKENSETTLTRSASMKLPDNTVKLGEKLERYHTAIRRSESVKS RGLPCTELFVAPVGVASKRHLFEKELAGQSRAEPASSRKENLRLSGVVTSRLN LWISRTQESGDQDPQEAQKASSATERTQWGQKSDSSL

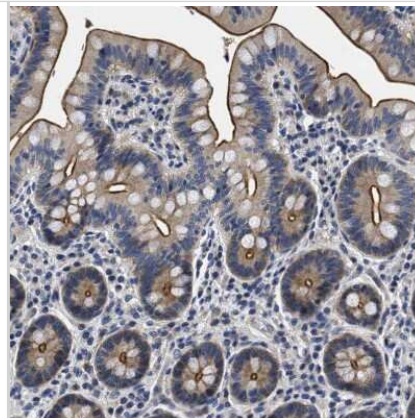
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 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

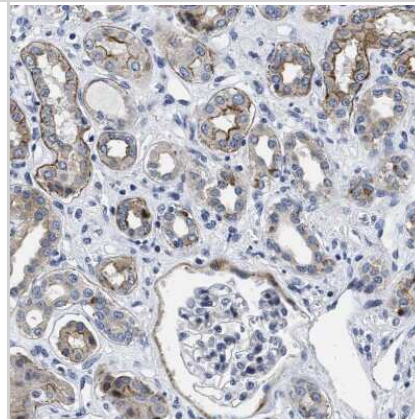
Immunocytochemistry/Immunofluorescence: LAD1 Antibody [NBP1-86126] - Staining of human cell line MCF7 shows localization to actin filaments. Antibody staining is shown in green.



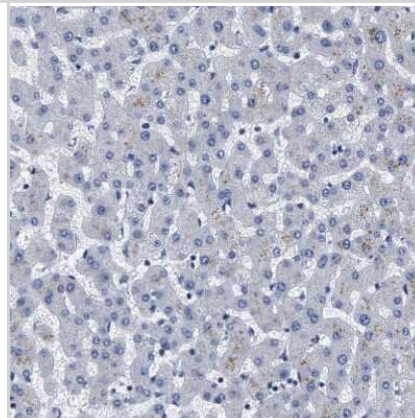
Immunohistochemistry-Paraffin: LAD1 Antibody [NBP1-86126] - Staining of human small intestine shows strong membranous positivity in glandular cells.



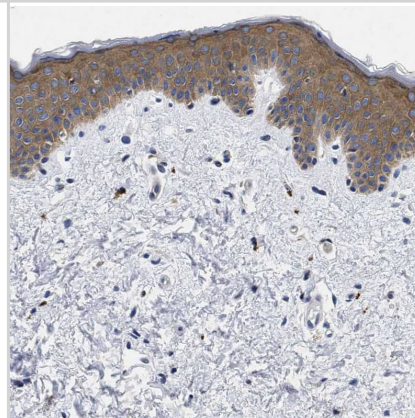
Immunohistochemistry-Paraffin: LAD1 Antibody [NBP1-86126] - Staining of human kidney shows moderate membranous positivity in cells in tubules.



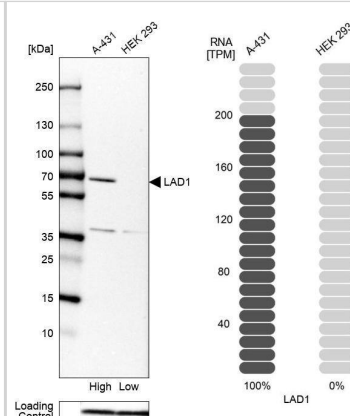
Immunohistochemistry-Paraffin: LAD1 Antibody [NBP1-86126] - Staining of human liver shows no positivity in hepatocytes as expected.



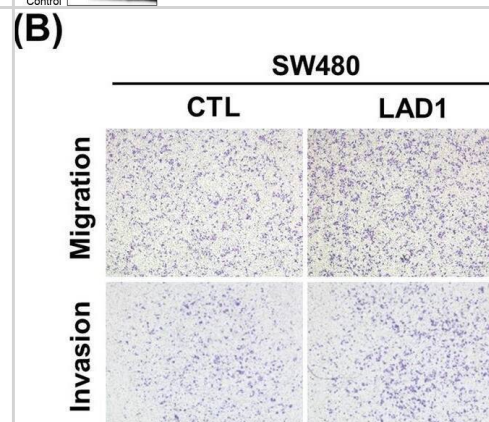
Staining of human skin shows moderate cytoplasmic positivity in squamous epithelial cells.



Analysis in human cell lines A-431 and HEK293 using Anti-LAD1 antibody. Corresponding LAD1 RNA-seq data are presented for the same cell lines. Loading control: Anti-PFN1.



Overexpression of ectopic LAD1 promotes migration and invasion of SW480 cells in vitro. a LAD1 expression increased in SW480 cells transfected with ectopic LAD1 (LAD1) compared with counterpart cells with mock vector (CTL). b and c LAD1 overexpression increased the migration and invasion of SW480 cells determined by Transwell assays. Representative images of migrated and invaded cells are shown in (b). Relative cell numbers of migrated and invaded cells per well were normalized by the numbers of CTL cells with those of LAD1 cells (c). Error bars represent the mean standard deviation ($n = 3$; *, $p < 0.05$) Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33267790>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Moon B, Yang SJ, Park SM et al. LAD1 expression is associated with the metastatic potential of colorectal cancer cells BMC cancer 2020-12-02 [PMID: 33267790] (ICC/IF, WB, Human)

Details:

Human colorectal cancer cell lines were transfected with LAD1 overexpression plasmid and underwent immunofluorescence and Western blot analysis.



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Products Related to NBP1-86126

NBP1-86126PEP	LAD1 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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