

Anti-LAMC2 antibody [EPR23654-127] - BSA and Azide free ab274384

リコンビナント **RabMAb**

画像数 5

製品の概要

製品名	Anti-LAMC2 antibody [EPR23654-127] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR23654-127] to LAMC2 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: WB, IP, Flow Cyt (Intra), ICC/IF 適用なし: IHC-P
種交差性	交差種: Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: A431 whole cell lysate. ICC/IF: A431 cells. Flow Cyt (intra): A549 cells. IP: A431 whole cell lysate.
特記事項	<p>ab274384 is the carrier-free version of ab274376.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23654-127
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab274384の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Detects a band of approximately 80, 100, 140 kDa (predicted molecular weight: 131 kDa).
IP		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Ladsin exerts cell-scattering activity toward a wide variety of cells, including epithelial, endothelial, and fibroblastic cells.
組織特異性	The large variant is expressed only in specific epithelial cells of embryonic and neonatal tissues. In 17-week old embryo the small variant is found in cerebral cortex, lung, and distal tubes of kidney, but not in epithelia except for distal tubuli.
関連疾患	Defects in LAMC2 are a cause of epidermolysis bullosa junctional Herlitz type (H-JEB) [MIM:226700]; also known as junctional epidermolysis bullosa Herlitz-Pearson type. JEB defines a group of blistering skin diseases characterized by tissue separation which occurs within the dermo-epidermal basement membrane. H-JEB is a severe, infantile and lethal form. Death occurs usually within the first six months of life. Occasionally, children survive to teens. H-JEB is

marked by bullous lesions at birth and extensive denudation of skin and mucous membranes that may be hemorrhagic.

配列類似性

Contains 8 laminin EGF-like domains.

Contains 1 laminin IV type A domain.

ドメイン

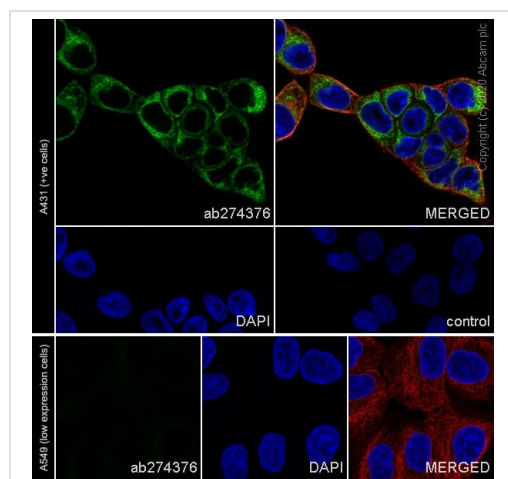
The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure.

Domain IV is globular.

細胞内局在

Secreted > extracellular space > extracellular matrix > basement membrane. Major component.

画像

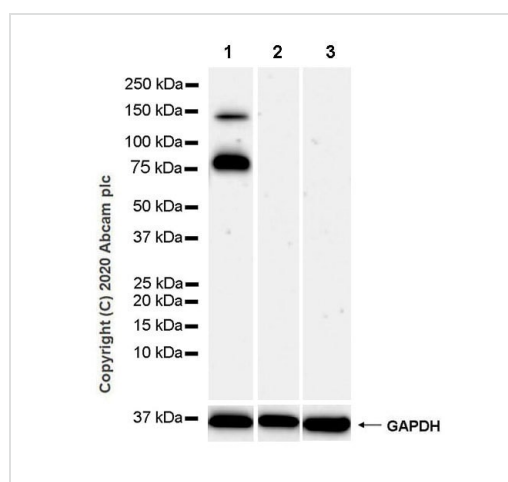


Immunocytochemistry/ Immunofluorescence - Anti-LAMC2 antibody [EPR23654-127] - BSA and Azide free (**ab274384**)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized A431 cells labelling LAMC2 with **ab274376** at 1/100 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in A431 cell line. **Low expression control:** A549 (PMID: 25591736). **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab274376**).



Western blot - Anti-LAMC2 antibody [EPR23654-127] - BSA and Azide free (**ab274384**)

All lanes : Anti-LAMC2 antibody [EPR23654-127] (**ab274376**) at 1/1000 dilution

Lane 1 : A431 (human epidermoid carcinoma epithelial cell), whole cell lysate

Lane 2 : A549 (human lung carcinoma epithelial cell), whole cell lysate

Lane 3 : WI-38 (human fetal lung fibroblast), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 131 kDa

Observed band size: 140,80 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

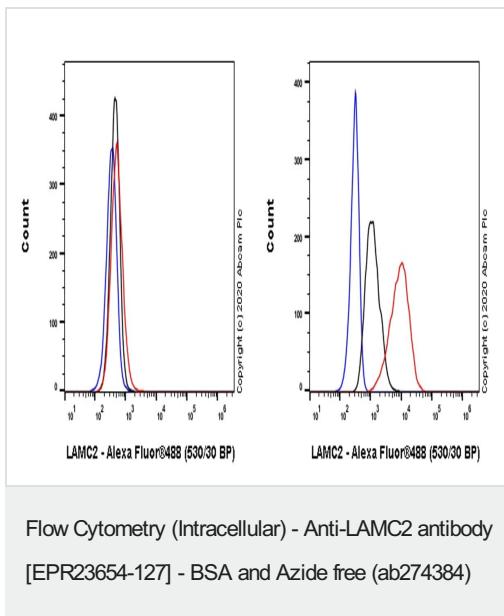
Bands of 140KDa and 80KDa respectively represent the full length and endogenously cleaved form.

The expression profile observed is consistent with what has been described in the literature (PMID: 25591736, 21829200).

Low expression: A549 (PMID:25591736) and WI-38 (PMID: 10964684)

Exposure time: 3 minutes

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab274376](#)).

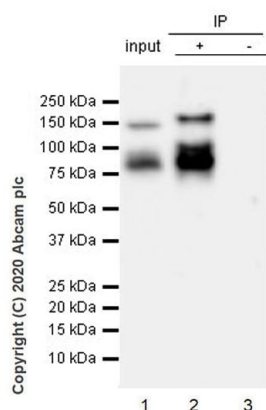


Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized A549 (Human lung carcinoma epithelial cell) (Left) A431 (Human epidermoid carcinoma epithelial cell) (Right) cells labelling LAMC2 with [ab274376](#) at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG ([ab172730](#)) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

A Goat anti rabbit IgG (Alexa Fluor[®]488, [ab150077](#)) at 1/2000 dilution was used as the secondary antibody.

Low expression control:A549.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab274376](#)).



Immunoprecipitation - Anti-LAMC2 antibody
[EPR23654-127] - BSA and Azide free (ab274384)

LAMC2 was immunoprecipitated from 0.35 mg A431 (human epidermoid carcinoma epithelial cell), whole cell lysate with **ab274376** at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using **ab274376** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/5000 dilution.

Lane 1: A431 (human epidermoid carcinoma epithelial cell), whole cell lysate 10 ug

Lane 2: **ab274376** IP in A431 whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab274376** in A431 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 41 seconds

Band of 140KDa represents the full length form, Bands of 100KDa and 80KDa represent the endogenously cleaved form.

The expression profile observed is consistent with what has been described in the literature (PMID: 21829200).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab274376**).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



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Animal-free production

Anti-LAMC2 antibody [EPR23654-127] - BSA and Azide free (ab274384)

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