

Anti-Integrin beta 4 antibody [439-9B] ab110167

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製品の概要

| | |
|--------------|---|
| 製品名 | Anti-Integrin beta 4 antibody [439-9B] |
| 製品の詳細 | Rat monoclonal [439-9B] to Integrin beta 4 |
| 由来種 | Rat |
| 特異性 | Recognizes human Integrin beta-4, a 202 kDa subunit that associates with integrin alpha 6 (CD49f), thereby forming the laminin receptor. Multiple splice variants have been identified. It is used as a surface staining antibody. |
| アプリケーション | 適用あり: IHC-P, Flow Cyt |
| 種交差性 | 交差種: Human |
| 免疫原 | The details of the immunogen for this antibody are not available. |
| ポジティブ・コントロール | Human Pancreas and Human Placenta tissues, A549 cell line |
| 特記事項 | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

製品の特性

| | |
|--------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| バッファー | <p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: 99% PBS</p> |
| 精製度 | Affinity purified |
| ポリ/モノ | モノクローナル |
| クローン名 | 439-9B |
| アイソタイプ | IgG2b |

アプリケーション

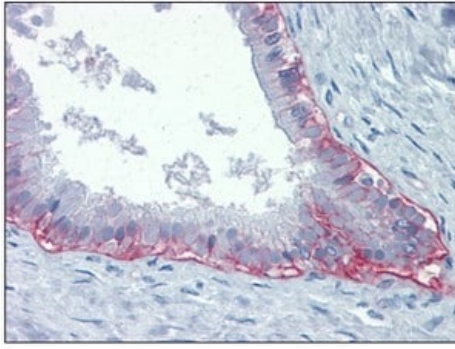
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab110167の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| IHC-P | | Use a concentration of 20 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| Flow Cyt | | Use 1µg for 10 ⁵⁻⁸ cells. in 100 µl ab110167 Rat monoclonal IgG2b is suitable for use as an |

ターゲット情報

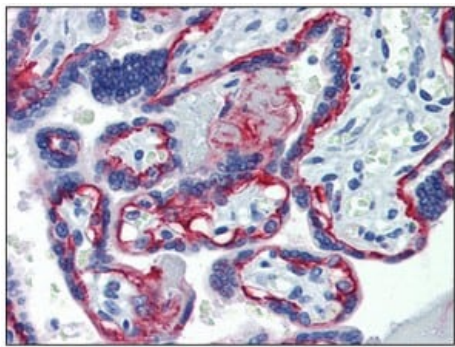
| | |
|-------|---|
| 機能 | Integrin alpha-6/beta-4 is a receptor for laminin. It plays a critical structural role in the hemidesmosome of epithelial cells. |
| 組織特異性 | Integrin alpha-6/beta-4 is predominantly expressed by epithelia. Isoform beta-4D is also expressed in colon and placenta. Isoform beta-4E is also expressed in epidermis, lung, duodenum, heart, spleen and stomach. |
| 関連疾患 | Defects in ITGB4 are a cause of epidermolysis bullosa letalis with pyloric atresia (EB-PA) [MIM:226730]; also known as junctional epidermolysis bullosa with pyloric atresia (PA-JEB) or aplasia cutis congenita with gastrointestinal atresia. EB-PA is an autosomal recessive, frequently lethal, epidermolysis bullosa with variable involvement of skin, nails, mucosa, and with variable effects on the digestive system. It is characterized by mucocutaneous fragility, aplasia cutis congenita, and gastrointestinal atresia, which most commonly affects the pylorus. Pyloric atresia is a primary manifestation rather than a scarring process secondary to epidermolysis bullosa. Defects in ITGB4 are a cause of generalized atrophic benign epidermolysis bullosa (GABEB) [MIM:226650]. GABEB is a non-lethal, adult form of junctional epidermolysis bullosa characterized by life-long blistering of the skin, associated with hair and tooth abnormalities. |
| 配列類似性 | Belongs to the integrin beta chain family. Contains 1 Calx-beta domain. Contains 4 fibronectin type-III domains. Contains 1 PSI domain. Contains 1 VWFA domain. |
| ドメイン | The fibronectin type-III-like domains bind BPAG1 and plectin and probably also recruit BP230. |
| 細胞内局在 | Membrane. |

画像



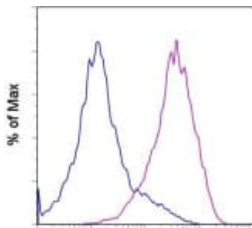
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Integrin beta 4 antibody [439-9B] (ab110167)

ab110167 at 20 µg/ml staining integrin beta 4 in Formalin-Fixed, Paraffin-Embedded Human Pancreas(**ab29816**). Sections were incubated with a biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Integrin beta 4 antibody [439-9B] (ab110167)

ab110167 at 20 µg/ml staining integrin beta 4 in Formalin-Fixed, Paraffin-Embedded Human Placenta. Sections were incubated with a biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.



Flow Cytometry - Anti-Integrin beta 4 antibody [439-9B] (ab110167)

Staining of the A549 cell line with 0.5 µg of Rat IgG2b Isotype Control (**ab98984**) (blue histogram) or 0.5 µg of **ab110167** (purple histogram) followed by Biotin Anti-Rat IgG and Sav-PE. Total viable cells were used for analysis.

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