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Datasheet for ABIN135374
anti-Integrin beta 4 antibody

1 Image

Overview

Quantity:	0.5 mg
Target:	Integrin beta 4 (ITGB4)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Integrin beta 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Tumor-associated antigen TSP-180 immunoaffinity purified from a transplantable BALB/c mouse lung cell carcinoma.1
Clone:	346-11A
Isotype:	IgG2a
Characteristics:	The antibody detects: Integrin 4 chain (CD104), Mr 200 kDa It is not known if the monoclonal antibody 346-11A can block the adhesion.
Endotoxin Level:	Low Endotoxin

Target Details

Target:	Integrin beta 4 (ITGB4)
Alternative Name:	CD104 (ITGB4 Products)

Target Details

Background: CD104 represents the integrin 4 subunit that associates non-covalently with integrin 6 (CD49f) to form the 64 integrin heterodimer. The 64 complex is expressed on the basal surface of a variety of epithelial cell types, particularly on stratified squamous epithelia. It is also found in peripheral nerves, in certain subsets of endothelial cells, and on immature thymocytes, and has been found to be associated with a number of malignant tissues. Hemidesmosomal 64 plays an important role in the adhesion of epithelial cells to basement membranes via interactions with laminin and/or kalinin anchoring filaments.

Pathways: [Integrin Complex](#)

Application Details

Application Notes: Working Dilution:
Immunohistochemistry: 1-5 µg/mL
Representative data are included in this product insert.

Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

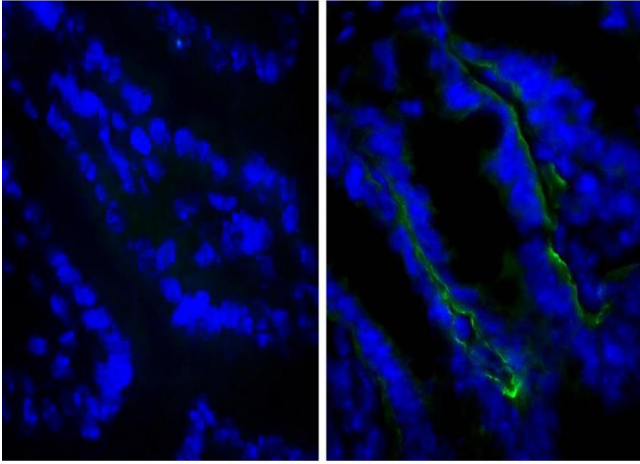
Buffer: Product is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS.

Preservative: Azide free

Handling Advice: Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: -20 °C

Storage Comment: Aliquot and freeze the low endotoxin, azide-free product at -20 °C immediately upon receipt.



Immunofluorescence

Image 1. Frozen BALB/c mouse intestine tissue was stained with Rat IgG2a-UNLB isotype control, and DAPI.