Datasheet for ABIN533146

anti-Integrin beta 4 antibody

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Overview

Quantity:	100 µL
Target:	Integrin beta 4 (ITGB4)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Integrin beta 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Purpose:	Mouse monoclonal antibody raised against partial recombinant ITGB4.
Immunogen:	Recombinant protein corresponding to cytoplasmic region of human ITGB4.
Clone:	M126
Isotype:	IgG1
Specificity:	This sequence is found in all three integrin-beta 4 isoforms and has 90 % homology with rat and mouse integrin-beta 4.
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	Integrin beta 4 (ITGB4)

Target Details

Alternative Name:	CD104 (ITGB4 Products)
Gene ID:	3691
Pathways:	Integrin Complex

Application Details

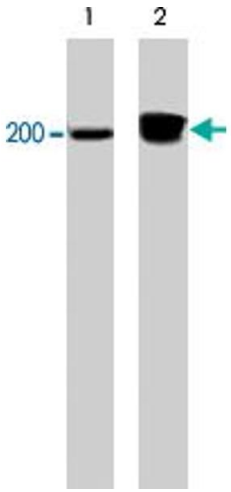
Application Notes:	ELISA (1:2000) Immunocytochemistry (1:250) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (50 % glycerol, 1 mg/mL BSA, 0.05 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Shaw: "Identification of insulin receptor substrate 1 (IRS-1) and IRS-2 as signaling intermediates in the alpha6beta4 integrin-dependent activation of phosphoinositide 3-OH kinase and promotion of invasion." in: **Molecular and cellular biology**, Vol. 21, Issue 15, pp. 5082-93, (2001) (PubMed). Dans, Gagnoux-Palacios, Blaikie, Klein, Mariotti, Giancotti: "Tyrosine phosphorylation of the beta 4 integrin cytoplasmic domain mediates Shc signaling to extracellular signal-regulated kinase and antagonizes formation of hemidesmosomes." in: **The Journal of biological chemistry**, Vol. 276, Issue 2, pp. 1494-502, (2001) (PubMed).



Western Blotting

Image 1. Western blot analysis of A-431 cells serum starved overnight (lane 1) and treated with pervanadate (1mM) for 30 min (lane 2). The blots were probed with ITGB4 monoclonal antibody, clone M126 .