

Datasheet for ABIN548463

anti-Integrin beta 4 antibody (pTyr1526)[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 µL
Target:	Integrin beta 4 (ITGB4)
Binding Specificity:	pTyr1526
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Integrin beta 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic phosphopeptide of ITGB4.
Immunogen:	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y1526 of human ITGB4.
Specificity:	This peptide sequence is found in all three integrin-b4 isoforms and is highly conserved in rat and mouse integrin-b4.
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Antibody Reactive Against Synthetic Peptide.

Target Details

Target:	Integrin beta 4 (ITGB4)
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Target Details

Alternative Name: CD104 ([ITGB4 Products](#))

Gene ID: 3691

Pathways: [Integrin Complex](#)

Application Details

Application Notes: ELISA (1:2000)
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.

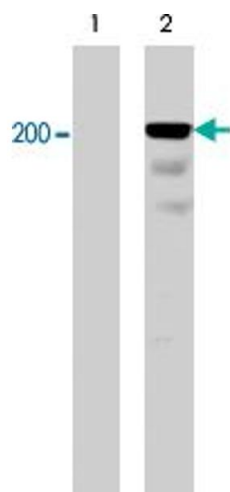
Storage: -20 °C

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 $\alpha 6 \beta 4$ 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 (phospho Y1526) polyclonal antibody .