

Datasheet for ABIN7091266

**anti-Integrin beta 3 antibody (AA 251-350) (Biotin)**[Go to Product page](#)

## Overview

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Quantity:            | 100 µL                                                |
| Target:              | Integrin beta 3 (ITGB3)                               |
| Binding Specificity: | AA 251-350                                            |
| Reactivity:          | Human, Mouse                                          |
| Host:                | Rabbit                                                |
| Clonality:           | Polyclonal                                            |
| Conjugate:           | This Integrin beta 3 antibody is conjugated to Biotin |
| Application:         | Western Blotting (WB), ELISA                          |

## Product Details

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Integrin beta 3 |
| Isotype:              | IgG                                                                 |
| Cross-Reactivity:     | Human, Mouse                                                        |
| Predicted Reactivity: | Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit                                  |
| Purification:         | Purified by Protein A.                                              |

## Target Details

|                   |                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------|
| Target:           | Integrin beta 3 (ITGB3)                                                                      |
| Alternative Name: | Integrin beta 3 ( <a href="#">ITGB3 Products</a> )                                           |
| Background:       | Synonyms: Integrin beta-3, Integrin beta chain, ??3 precursor, Integrin Beta 3, CD 61, CD61, |

## Target Details

CD61 antigen, GP3A, GPIIIa, HPA 1, HPA 4, Integrin beta 3 (platelet glycoprotein IIIa antigen CD61), Integrin beta chain beta 3, ITG B3, ITGB 3, ITGB3, NAIT, Platelet fibrinogen receptor beta subunit, Platelet glycoprotein IIIa, platelet glycoprotein IIIa precursor, Platelet membrane glycoprotein IIIa, PTP, ITB3\_HUMAN.

Background: Integrin alpha-V/beta-3 is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. Integrins alpha-IIb/beta-3 and alpha-V/beta-3 recognize the sequence R-G-D in a wide array of ligands. Integrin alpha-IIb/beta-3 recognizes the sequence H-H-L-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial surface. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.

Gene ID: 3690

UniProt: [P05106](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Smooth Muscle Cell Migration](#), [Integrin Complex](#)

## Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

## Handling

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

## Handling

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Expiry Date: 12 months