

# Integrin beta 3 Antibody HRP Conjugated

Catalog No: #C00228H

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | Integrin beta 3 Antibody HRP Conjugated  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Isotype               | IgG  |
| Purification          | Purified by Protein A.   |
| Applications          | WB IHC-P IHC-F   |
| Species Reactivity    | Hu Ms  |
| Immunogen Description | KLH conjugated synthetic peptide aa 27-77 788 derived from human Integrin beta 3                     |
| Conjugates            | HRP  |
| Target Name           | Integrin beta 3  |
| Other Names           | GT; CD61; GP3A; BDPLT2; GPIIIa; BDPLT16; Integrin beta-3; Platelet membrane glycoprotein IIIa; ITGB3 |
| Accession No.         | Swiss-Prot#P05106NCBI Gene ID3690  |
| Uniprot               | P05106   |
| GeneID                | 3690;  |
| Excitation Emission   | N A  |
| Cell Localization     | Extracellular  |
| Concentration         | 1mg ml   |
| Formulation           | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.                                     |
| Storage               | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                      |

## Application Details

WB=1:500-2000B B IHC-P=1:50-200B IHC-F=1:50-200B

## 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-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. Fibrinogen binding enhances SELP expression in activated platelets (By similarity). In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.

Note: This product is for in vitro research use only