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## 35-1258: Polyclonal Antibody to Integrin beta3 (Phospho-Tyr785)

Clonality: Polyclonal

Application: WB

Reactivity: Human, Mouse, Rat

 Gene :
 ITGB3

 Gene ID :
 3690

 Uniprot ID :
 P05106

 Format :
 Purified

Alternative Name: CD61 antigen, GP3A, GPIIIa, ITB3, Platelet membrane glycoprotein IIIa

**Isotype:** Rabbit IgG

Immunogen Information : Peptide sequence around phosphorylation site of tyrosine 785 (I-T-Y(p)-R-G) derived from Human

Integrin b3.

## **Description**

Integrin a-V/beta-3 is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin a-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. Integrins a-IIb/beta-3 and a-V/beta-3 recognize the sequence R-G-D in a wide array of ligands. Integrin a-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 a-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.

## **Product Info**

**Amount :** 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition:

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Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Predicted MW: 110kd, Western blotting: 1:500~1:1000

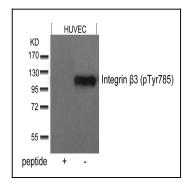


Figure 1: Western blot analysis of extracts from HUVEC cells using Integrin b3(Phospho-Tyr785) Antibody 35-1258 and the same antibody preincubated with blocking peptide.