

### 35-1059: Polyclonal Antibody to Integrin beta3 (Phospho-Tyr773)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	ITGB3
<b>Gene ID :</b>	3690
<b>Uniprot ID :</b>	P05106
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD61 antigen, GP3A, GPIIIa, ITB3, Platelet membrane glycoprotein IIIa
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of tyrosine 773 (P-L-Y(p)-K-E) derived from Human Integrin b3.

#### Description

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. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.

#### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	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, Immunohistochemistry: 1:50~1:100

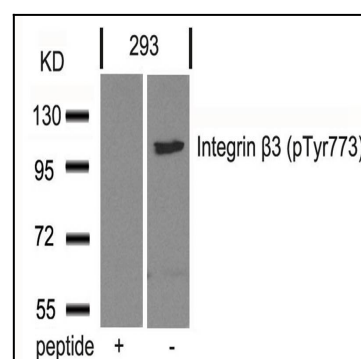


Figure 1: Western blot analysis of extracts from 293 cells using Integrin  $\beta$ 3(Phospho-Tyr773) Antibody 35-1059 and the same antibody preincubated with blocking peptide.

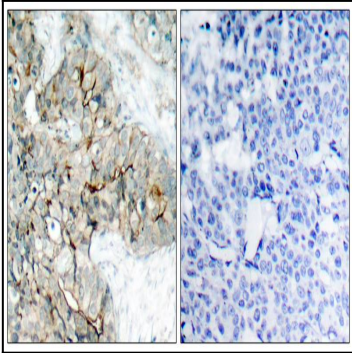


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Integrin b3(Phospho-Tyr773) Antibody 35-1059 (left) or the same antibody preincubated with blocking peptide(right).