

## Phospho-ITGB3-Y773

**Reactivity:**Human Mouse

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:1000 IHC 1:50 - 1:100

**Calculated MW:**110kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A phospho specific peptide corresponding to residues surrounding Y773 of human ITGB3

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

q

**Synonym:**

CD61 antigen; GP3A; GPIIIa; ITB3; Platelet membrane glycoprotein IIIa;

**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.

**To place an order, please [Click HERE](#).**

**Catalog #:**AP0372

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3690

**Isotype:**IgG

**Swiss Prot:**P05106

**Purity:**Affinity purification

For research use only.