

## Datasheet

### ITGB3 (phospho Y773) polyclonal antibody

**Catalog Number:** PAB5733

**Regulation Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic phosphopeptide of ITGB3.

**Immunogen:** Synthetic phosphopeptide corresponding to residues surrounding Y773 of human ITGB3.

**Host:** Rabbit

**Reactivity:** Human, Mouse, Rat

**Applications:** IHC-P, WB-Ce

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Recommend Usage:** Immunohistochemistry

(1:50-1:100)

Western Blot (1:500-1:1000)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

**Storage Instruction:** Store at -20°C.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3690

**Gene Symbol:** ITGB3

**Gene Alias:** CD61, GP3A, GPIIIa

**Gene Summary:** The ITGB3 protein product is the integrin beta chain beta 3. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. Integrin beta 3 is

found along with the alpha IIb chain in platelets. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. [provided by RefSeq]

#### References:

1. Beta 3 integrin phosphorylation is essential for Arp3 organization into leukocyte alpha V beta 3-vitronectin adhesion contacts. Chandhoke SK, Williams M, Schaefer E, Zorn L, Blystone SD. J Cell Sci. 2004 Mar 15;117(Pt 8):1431-41. Epub 2004 Mar 2.
2. Phosphorylation of beta3 integrin controls ligand binding strength. Datta A, Huber F, Boettiger D. J Biol Chem. 2002 Feb 8;277(6):3943-9. Epub 2001 Nov 26.
3. Outside-in integrin signal transduction. Alpha IIb beta 3-(GP IIb IIIa) tyrosine phosphorylation induced by platelet aggregation. Law DA, Nannizzi-Alaimo L, Phillips DR. J Biol Chem. 1996 May 3;271(18):10811-5.