

# Integrin b3(Ab-785) Antibody

Catalog No: #21274

Package Size: #21274-1 50ul #21274-2 100ul

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## Description

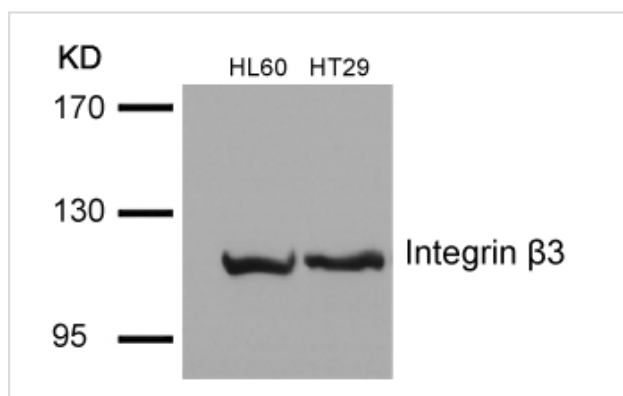
|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Integrin b3(Ab-785) Antibody                                                                                                                                                  |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB                                                                                                                                                                            |
| Species Reactivity    | Hu Ms Rt                                                                                                                                                                      |
| Specificity           | The antibody detects endogenous level of total Integrin b3 protein.                                                                                                           |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.783~787 (I-T-Y-R-G) derived from Human Integrin B3/ITGB3.                                                                                          |
| Target Name           | Integrin b3                                                                                                                                                                   |
| Other Names           | CD61 antigen; GP3A; GPIIIa; ITB3; Platelet membrane glycoprotein IIIa                                                                                                         |
| Accession No.         | Swiss-Prot: P05106NCBI Protein: NP_000203.2                                                                                                                                   |
| Uniprot               | P05106                                                                                                                                                                        |
| GeneID                | 3690;                                                                                                                                                                         |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | 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.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

## Application Details

Predicted MW: 110kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from HL60 and HT29 cells using Integrin b3(Ab-785) Antibody #21274.

## Background

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The Itg-Beta3 gene encodes the beta subunit of the platelet membrane adhesive protein receptor complex Itg-Beta3 protein, which belongs to the Integrin class of cell adhesion molecule receptors that share a common heterotrimeric structure with  $\alpha$  and Beta subunits. It is a common Beta subunit of the platelet complex and of two other Integrins (Fibronectin and Vitronectin Receptors), which have distinct  $\alpha$  subunits. Itg-Beta3 has been implicated in a wide variety of functions, including platelet aggregation and thrombosis and implantation, placentation, angiogenesis, bone remodeling, and tumor progression. Glanzmann Thrombasthenia can result from defects in the genes for either the Itg- $\alpha$ 2B or the Itg-Beta3 subunit  
Sujoy Bhattacharya, et al. (2006) Biochem J. August 1; 397(Pt 3): 437

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Note: This product is for in vitro research use only