



# Rabbit Anti-Human ITGA2B monoclonal antibody, clone KN22-20 (DCABH-2946)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------|
| <b>Target</b>                | CD41                                                                                       |
| <b>Immunogen</b>             | Recombinant protein                                                                        |
| <b>Isotype</b>               | IgG                                                                                        |
| <b>Source/Host</b>           | Rabbit                                                                                     |
| <b>Species Reactivity</b>    | Human                                                                                      |
| <b>Clone</b>                 | KN22-20                                                                                    |
| <b>Purification</b>          | Protein A purified.                                                                        |
| <b>Conjugate</b>             | Unconjugated                                                                               |
| <b>Applications</b>          | WB, IHC                                                                                    |
| <b>Cellular Localization</b> | Membrane.                                                                                  |
| <b>Positive Control</b>      | Human tonsil tissue, human spleen tissue, human placenta cells lysates.                    |
| <b>Format</b>                | Liquid                                                                                     |
| <b>Size</b>                  | 100 µl                                                                                     |
| <b>Buffer</b>                | 1×TBS (pH7.4), 1% BSA, 40% Glycerol.                                                       |
| <b>Preservative</b>          | 0.05% Sodium Azide                                                                         |
| <b>Storage</b>               | Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw |

cycles.

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## BACKGROUND

### Introduction

Integrins are heterodimers composed of noncovalently associated transmembrane  $\alpha$  and  $\beta$  subunits. The 16  $\alpha$  and 8  $\beta$  subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind ligands that are components of the extracellular matrix, including Fibronectin, collagen and Vitronectin. Certain integrins can also bind to soluble ligands such as Fibrinogen, or to counterreceptors on adjacent cells such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. Ligands serve to cross-link or cluster integrins by binding to adjacent integrin receptors; both receptor clustering and ligand occupancy are necessary for the activation of integrin-mediated responses. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis.

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### Keywords

antigen CD41;BDPLT16;BDPLT2;CD41;CD41B;form 2;GP2B;GPalpha IIb;GPIIb;GT;GTA;HPA3;Integrin alpha 2b;Integrin alpha IIb;Integrin alpha-IIb light chain;Integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41);ITA2B\_HUMAN;Itga2b;ITGAB;platelet fibrinogen receptor, alpha subunit;platelet glycoprotein IIb of IIb/IIIa complex;Platelet membrane glycoprotein IIb;platelet specific antigen BAK;PPP1R93 antibody

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## GENE INFORMATION

### Entrez Gene ID

[3674](#)

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### UniProt ID

[P08514](#)