



# Rabbit Anti-Human ITGB2 monoclonal antibody, clone KN82-42 (CABT-L948)

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

## PRODUCT INFORMATION

<b>Target</b>	CD18
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	KN82-42
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP
<b>Cellular Localization</b>	Membrane.
<b>Positive Control</b>	Jurkat.
<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.

## BACKGROUND

### Introduction

Integrins are heterodimers composed of noncovalently associated transmembrane a and b subunits. The 16 a and 8 b 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.

### Keywords

95 subunit beta;Beta 2 (antigen CD18 (p95);CD 18;CD18;Cell surface adhesion glycoprotein LFA 1/CR3/P150,959 beta subunit precursor);Cell surface adhesion glycoproteins LFA 1/CR3/p150,95 subunit beta;Cell surface adhesion glycoproteins LFA-1/CR3/p150;Complement component 3 receptor 3 and 4 subunit;Complement receptor C3 beta subunit;Complement receptor C3 subunit beta;Integrin beta 2;Integrin beta chain beta 2;Integrin beta-2 (ITGB2);Integrin beta-2;Integrin, beta 2 (complement component 3 receptor 3 and 4 subunit);ITB2\_HUMAN;ITGB2;LAD;LCAMB;Leukocyte associated antigens CD18/11A, CD18/11B, CD18/11C;Leukocyte cell adhesion molecule CD18;LFA 1;LFA1;Lymphocyte function associated antigen 1 (LFA1);Lymphocyte function associated antigen 1;MAC 1;MAC1;Macrophage antigen 1 (mac1) beta;MF17;MFI7;OTTHUMP00000115278;OTTHUMP00000115279;OTTHUMP00000115280;OTTHUMP0 antibody

## GENE INFORMATION

### Entrez Gene ID

[3689](#)

### UniProt ID

[B4E0R1](#)