

Integrin beta 3 Rabbit mAb

Catalog No: #48762

Package Size: #48762-1 50ul #48762-2 100ul

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Description

Product Name	Integrin beta 3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SJ19-09
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	A synthesized peptide derived from human Integrin beta 3
Conjugates	Unconjugated
Other Names	BDPLT16 antibody BDPLT2 antibody CD 61 antibody CD61 antibody CD61 antigen antibody GP3A antibody GPIIb antibody GT antibody HPA 1 antibody HPA 4 antibody Integrin beta 3 (platelet glycoprotein IIIa antigen CD61) antibody Integrin beta chain beta 3 antibody Integrin beta-3 antibody ITB3_HUMAN antibody ITG B3 antibody ITGB 3 antibody ITGB3 antibody NAIT antibody Platelet fibrinogen receptor beta subunit antibody Platelet fibrinogen receptor, beta subunit antibody Platelet glycoprotein IIIa antibody Platelet glycoprotein IIIa precursor antibody Platelet membrane glycoprotein IIIa antibody PTP antibody
Accession No.	Swiss-Prot#:P05106
Calculated MW	Predicted band size: 87 kDa
SDS-PAGE MW	Observed band size: 100 kDa
Concentration	0.4mg/ml
Formulation	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

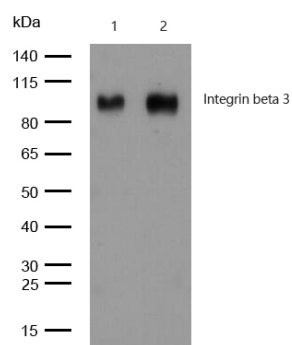
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: Integrin beta 3 Rabbit mAb at 1/1k dilution

Lane 1 : HUVEC whole cell lysates

Lane 2 : U-87 MG whole cell lysates

Lysates/proteins at 20 µg per lane.

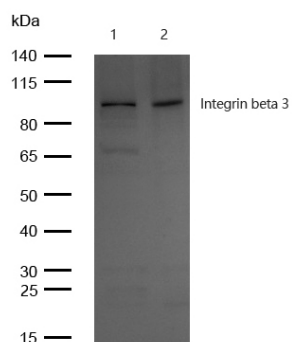
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 87 kDa

Observed band size: 100 kDa

Exposure time: 8 seconds



All lanes: Integrin beta 3 Rabbit mAb at 1/1k dilution

Lane 1 : Mouse stomach lysates

Lane 2 : Rat colon lysates

Lysates/proteins at 20 µg per lane.

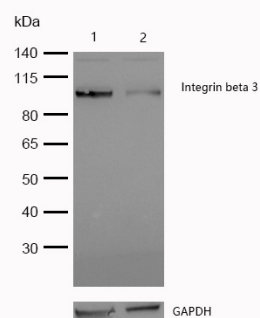
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 87 kDa

Observed band size: 100 kDa

Exposure time: 11 seconds

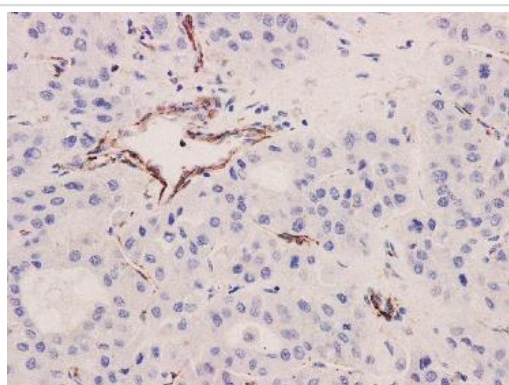


All lanes: Integrin beta 3 Rabbit mAb at 1/1k dilution

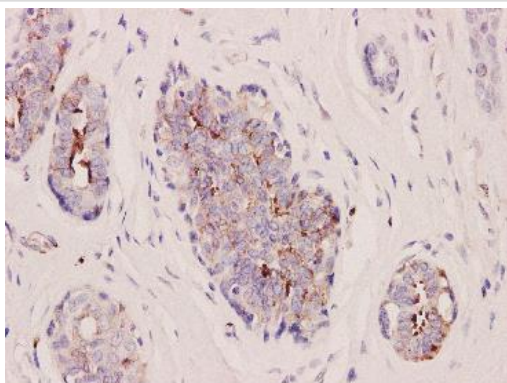
Lane 1 : Wild-type HT-1080 cell lysate

Lane 2 : Integrin beta 3 knockdown Hela cell lysate

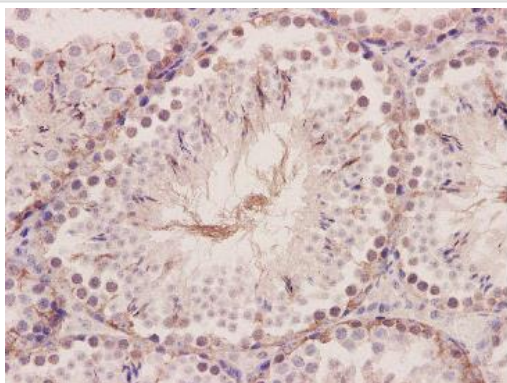
Lysates/proteins at 20 µg per lane.



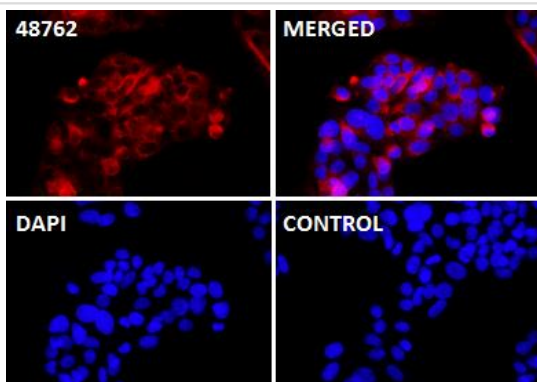
Formalin-fixed, paraffin-embedded human liver cancer tissue stained for Integrin beta 3 using 48762 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human breast cancer tissue stained for Integrin beta 3 using 48762 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded mouse testis tissue stained for Integrin beta 3 using 48762 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Integrin beta 3 antibody (48762)
ICC/IF staining of Integrin beta 3 in HepG2 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
Samples were incubated with 48762 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.
The negative control is shown in bottom right hand panel - for the negative control.
Nuclei were counterstained with DAPI.

Background

Integrins are heterodimers composed of noncovalently associated transmembrane α and β subunits. The 16 α and 8 β 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.