Integrin beta-1 Rabbit mAb

Catalog No: #48627

Package Size: #48627-1 50ul #48627-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Integrin beta-1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SR4516
Purification	ProA affinity purified
Applications	WB, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	beta1 integrin antibody CD29 antibody Fibronectin receptor subunit beta antibody FNRB antibody Glycoprotein IIa antibody GP IIa antibody GPIIA antibody Integrin beta-1 antibody integrin VLA-4 beta subunit antibody Integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) antibody ITB1_HUMAN antibody ITGB1 antibody MDF2 antibody MSK12 antibody OTTHUMP00000019420 antibody Very late activation protein, beta polypeptide antibody VLA BETA antibody VLA-4 subunit beta antibody VLA-BETA antibody VLAB antibody VLAbeta antibody
Accession No.	Swiss-Prot#:P05556
Calculated MW	150 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

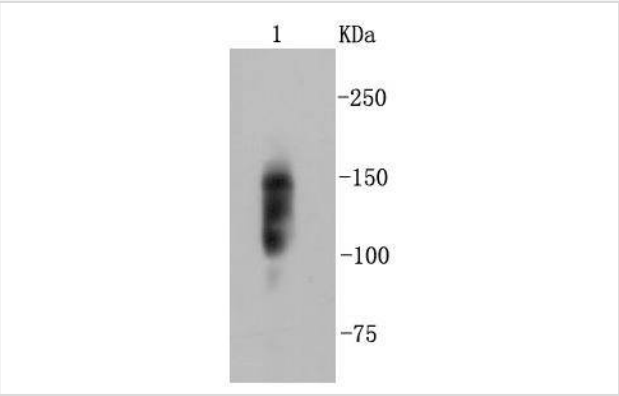
Application Details

WB: 1:1,000-1:2,000

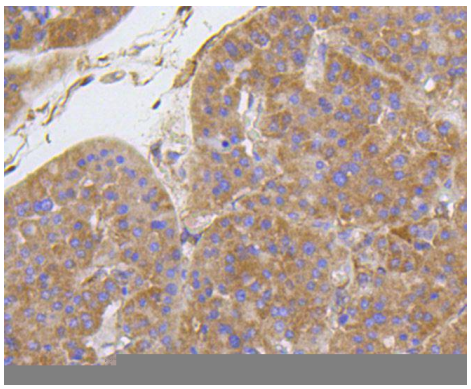
IHC:1:50-1:200

FC: 1:50-1:100

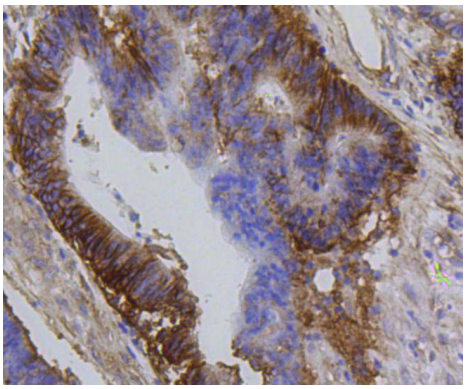
Images



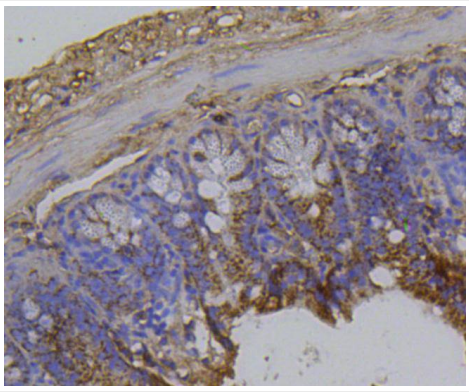
Western blot analysis of Integrin beta-1 on human liver lysates using anti-Integrin beta-1 antibody at 1/1,000 dilution.



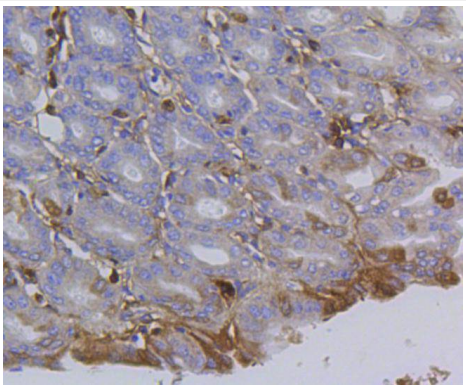
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Integrin beta-1 antibody. Counter stained with hematoxylin.



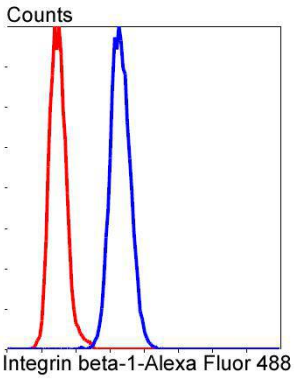
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Integrin beta-1 antibody. Counter stained with hematoxylin.



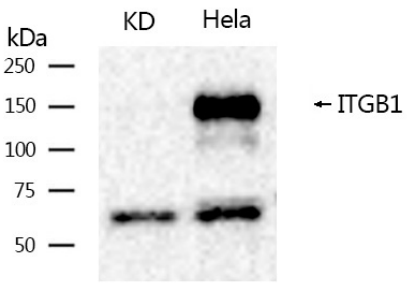
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Integrin beta-1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-Integrin beta-1 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Hela cells with Integrin beta-1 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



Western blotting analysis using Integrin beta-1 Antibody #48627.

Background

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.

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