

Rabbit anti-Human, Mouse Integrin beta-1/CD29 Polyclonal Antibody | anti-ITB1 antibody

Integrin beta-1/CD29 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312123	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

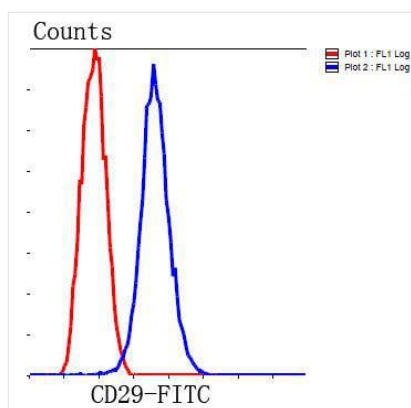
PRODUCT SYNONYMS

Integrin beta-1/CD29; Polyclonal Antibody; Integrin beta-1/CD29 Antibody; beta1 integrin antibody; CD29 antibody; Fibronectin receptor subunit beta antibody; FNBR 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; anti-ITB1 antibody

PRODUCT SPECIFICATIONS

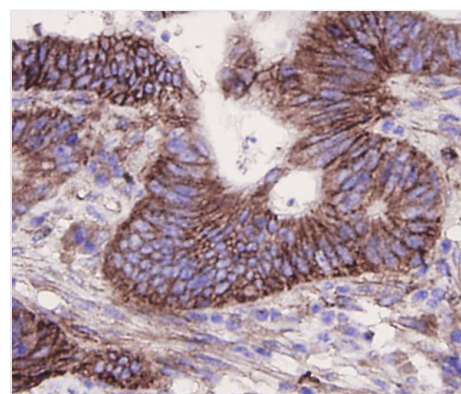
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ITB1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



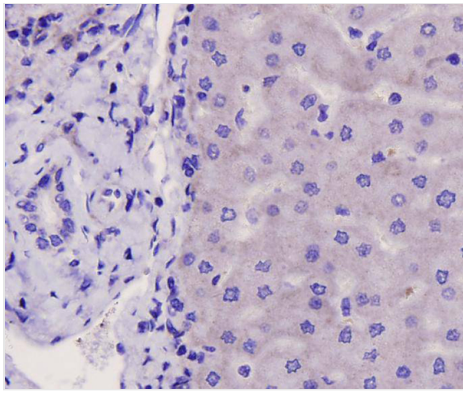
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HepG2 cells with CD29 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.

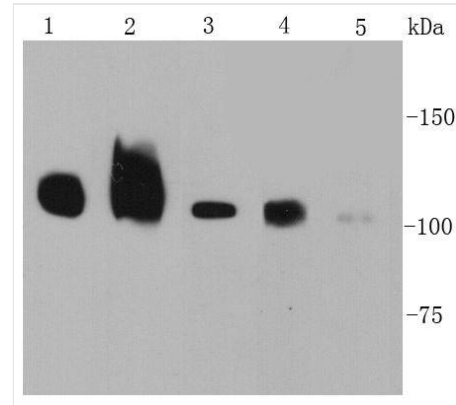


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using anti-CD29 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue using anti-CD29 antibody. Counter stained with hematoxylin.



WB (Western Blot)
Western blot analysis of CD29 on different cell lysates using anti-CD29 antibody at 1/1000 dilution. Positive control: Lane 1: Human liver Lane 2: Human kidney Lane 3: NIH/3T3 Lane 4: A172 Lane 5: Hela

ADDITIONAL INFORMATION

Related Product Information for anti-ITB1 antibody	Integrins are transmembrane receptors that mediate the attachment between a cell and its surroundings, such as other cells or the extracellular matrix (ECM). Integrins are obligate heterodimers containing two distinct chains, called the alpha (alpha) and beta (beta) subunits. The molecular mass of the integrin subunits can vary from 90kDa to 160kDa. Beta subunits have four cysteine-rich repeated sequences. Both alpha and beta subunits bind several divalent cations. Integrins have two main functions: Attachment of the cell to the ECM and signal transduction from the ECM to the cell. However, they are also involved in a wide range of other biological activities, including immune patrolling, cell migration, and binding to cells by certain viruses, such as adenovirus, echovirus, hantavirus, and foot and mouth disease viruses. Research studies have implicated beta 1 integrin in various activities including embryonic development, blood vessel, skin, bone, and muscle formation, as well as tumor metastasis and angiogenesis.
Product Categories/Family for anti-ITB1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743813
NCBI GeneID	3688
NCBI Accession #	NP_002202.2
NCBI GenBank Nucleotide #	NM_002211.3
UniProt Accession #	P05556; P78466; P78467; Q13089; Q13090; Q13091; Q13212; A8K6N2; D3DRX9; D3DRY3; D3DRY4; D3DRY5
Molecular Weight	88,415 Da
NCBI Official Full Name	integrin beta-1 isoform 1A
NCBI Official Synonym Full Names	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA
NCBI Protein Information	integrin beta-1; glycoprotein IIa; integrin VLA-4 beta subunit; very late activation protein, beta polypeptide
UniProt Protein Name	Integrin beta-1
UniProt Gene Name	ITGB1
UniProt Synonym Gene Names	FNRB; MDF2; MSK12; GPIIA
UniProt Entry Name	ITB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/integrin-beta-1-cd29-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/312123>