

Rabbit Integrin beta 1 Monoclonal Antibody | anti-ITB1 antibody

Integrin beta 1 Antibody

CATALOG # AAA312134	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Zebrafish	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Integrin beta 1; Monoclonal Antibody; Integrin beta 1 Antibody; 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; anti-ITB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Monoclonal
Clone Number	SA40-08
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ITB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



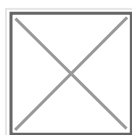
IHC (Immunohistochemistry)

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



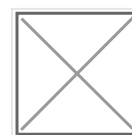
IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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



WB (Western Blot)

Western blot analysis of Integrin beta 1 on different cell lysates using anti-Integrin beta 1 antibody at 1/1,000 dilution. Positive control: Lane 1: HeLa Lane 2: NIH/3T3

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 90 kDa to 160 kDa. 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.