

Rabbit anti-Human ITGB1/Integrin beta 1 Polyclonal Antibody | anti-ITGB1 antibody

ITGB1/Integrin beta 1 Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258598	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

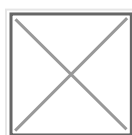
PRODUCT SYNONYMS

ITGB1/Integrin beta 1; Polyclonal Antibody; ITGB1/Integrin beta 1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-CD29 Antibody; Anti-FNRB Antibody; Anti-GPIIA Antibody; Anti-MDF2 Antibody; Anti-MSK12 Antibody; Anti-VLA-BETA Antibody; Anti-VLAB Antibody; anti-ITGB1 antibody

PRODUCT SPECIFICATIONS

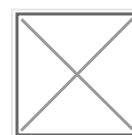
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human Integrin beta 1
Applicable Applications for anti-ITGB1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human Integrin beta 1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



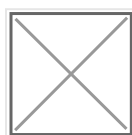
IP (Immunoprecipitation)

ITGB1 was immunoprecipitated using;; Lane A:0.5 mg hela Whole Cell Lysate; 2 uL anti-ITGB1 rabbit polyclonal antibody and 15 ul of 50% Protein G agarose;; Primary antibody;; Anti-ITGB1 rabbit polyclonal antibody,at 1:200 dilution; Secondary antibody;; Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution; Developed using the odssey technique;; Performed under reducing conditions;; Predicted band size: 88 kDa; Observed band size: 108 kDa



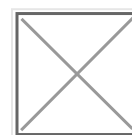
IF (Immunofluorescence)

Immunofluorescence staining of ITGB1 in HeLa cells. Cells were fixed with 4% PFA,blocked with 10% serum, and incubated with rabbit anti-human ITGB1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red)Positive staining was localized to cell membrane.



IHC (Immunohistochemistry)

Immunohistochemical staining of human ITGB1 in human skin with rabbit polyclonal antibody (0.2 ug/mL, formalin-fixed paraffin embedded sections).



WB (Western Blot)

Anti-ITGB1 rabbit polyclonal antibody at 1:100 dilution;; Lane A: Hela Membrane Lysate; Lysates/proteins at 30 ug per lane;; Secondary; Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution;; Developed using the Odyssey technique;; Performed under reducing conditions;; Predicted band size:88 kDa; Observed band size:150 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ITGB1 antibody	ITGB1 (Integrin Subunit Beta 1) is a Protein Coding gene. This gene encodes a beta subunit, which is a type 1 transmembrane protein of the integrin beta chain family. ITGB1 is a heterodimeric cell-surface receptor involved in cell functions such as proliferation, migration, invasion, and survival. ITGB1 has been recognized to play a major role in tumor growth, invasion, and metastasis. Using luciferase assays, the researcher identified ITGB1 as a direct target of miR-134. ITGB1 is a direct target of miR-493-5p suggesting that ITGB1 and miR-493-5p may have potential prognostic value and may be useful as tumor biomarkers for the identification of NSCLC patients. Diseases associated with ITGB1 include Gallbladder Cancer and Breast Cancer.
Product Categories/Family for anti-ITGB1 antibody	receptors ; Drug Targets ; Cardiovascular ; Actin Dynamics Signaling Pathway ; Antibody Therapeutic Target ; CD molecules

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/itgb1-integrin-beta-1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/258598>