

ITGA2B Polyclonal Antibody | anti-ITGA2B antibody

Anti-ITGA2B Antibody

CATALOG #
AAA46535

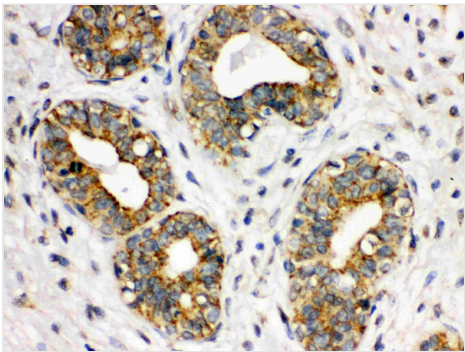
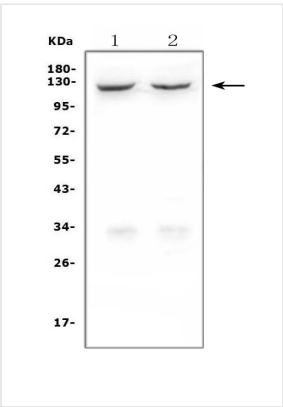
REACTIVITY
Human, Mouse, Rat

PRODUCT SYNONYMS

ITGA2B; Polyclonal Antibody; Anti-ITGA2B Antibody; Integrin alpha-Iib; antigen CD41; BDPLT16; BDPLT2; CD41; CD41B; form 2; GP2B; GPalpha IIb; GPIIb; GT; GTA; HPA3; Integrin alpha 2b; Integrin alpha IIb; Integrin alpha-IIb light chain; Integrin; alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex; antigen CD41); ITA2B_HUMAN; ITGAB; platelet fibrinogen receptor; alpha subunit; platelet glycoprotein IIb of IIb/IIIa complex; Platelet membrane glycoprotein IIb; platelet specific antigen BAK; integrin; anti-ITGA2B antibody

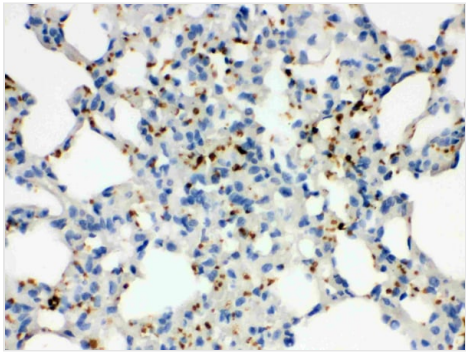
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1039
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ITGA2B (677-711aa EAELAVHLPQGAHYMRALSNVEGFERLICNQKKEN), different from the related mouse sequence by four amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

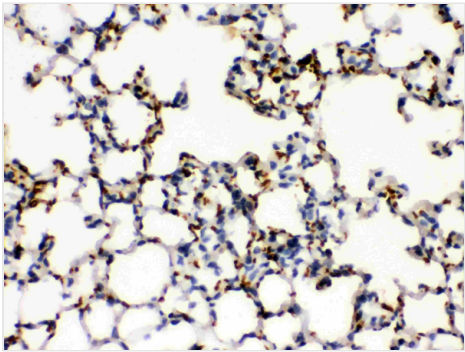


IHC (Immunohistochemistry)
Anti- ITGA2B Picoband antibody, PB9647, IHC(P)IHC(P): Human Mammary Cancer Tissue

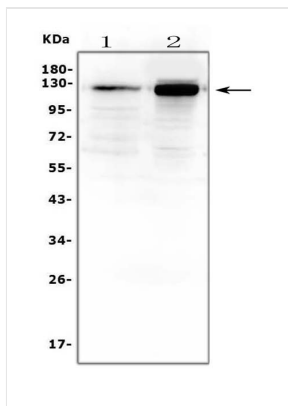
WB (Western Blot)
Western blot analysis of ITGA2B using anti- ITGA2B antibody (PB9647).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human HEK293 whole cell lysates,Lane 2: human HepG2 whole cell lysates,After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- ITGA2B antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ITGA2B at approximately 125kD. The expected band size for ITGA2B is at 113kD.



IHC (Immunohistochemisry)
Anti- ITGA2B Picoband antibody, PB9647, IHC(P)IHC(P): Rat Lung Tissue



Application Data
Anti- ITGA2B Picoband antibody, PB9647, IHC(P)IHC(P): Mouse Lung Tissue



WB (Western Blot)

Western blot analysis of ITGA2B using anti- ITGA2B antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat spleen tissue lysates, Lane 2: mouse spleen tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- ITGA2B antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ITGA2B at approximately 125KD. The expected band size for ITGA2B is at 113KD.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA2B antibody	Description: Rabbit IgG polyclonal antibody for Integrin alpha-IIB(ITGA2B) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Integrin alpha-IIb is a protein that in humans is encoded by the ITGA2B gene. It is mapped to 17q21.32. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 2b undergoes post-translational cleavage to yield disulfide-linked light and heavy chains that join with beta 3 to form a fibrinogen receptor expressed in platelets that plays a crucial role in coagulation. Mutations that interfere with this role result in thrombasthenia. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.
References	1. "Entrez Gene: ITGA2B integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41)". 2. Naik UP, Parise LV (1997). "Structure and function of platelet alpha IIb beta 3.". Curr. Opin. Hematol. 4(5): 317-22. 3. Quinn MJ, Byzova TV, Qin J et al. (2004). "Integrin alphaIIbbeta3 and its antagonism.". Arterioscler. Thromb. Vasc. Biol. 23 (6): 945-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	88758615
NCBI GeneID	3674
NCBI Accession #	NP_000410.2
NCBI GenBank Nucleotide #	NM_000419.4
UniProt Accession #	P08514; O95366; Q14443; Q17R67; B2RCY8
NCBI Official Full Name	integrin alpha-IIb preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 2b
NCBI Official Symbol	ITGA2B
NCBI Official Synonym Symbols	GT; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2; BDPLT16; PPP1R93
NCBI Protein Information	integrin alpha-IIb

UniProt Protein Name	Integrin alpha-IIb
UniProt Gene Name	ITGA2B
UniProt Synonym Gene Names	GP2B; ITGAB; GPIIb
UniProt Entry Name	ITA2B_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/itga2b-antibody-elisa/46535>