

Rabbit Integrin beta-2 Polyclonal Antibody | anti-ITGB2 antibody

Anti-CD18 Antibody

CATALOG # AAA46014	HOST Rabbit	REACTIVITY Human. No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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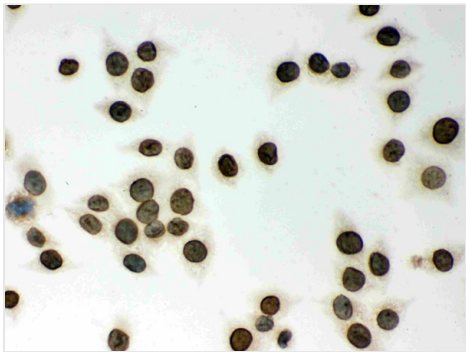
PRODUCT SYNONYMS

Integrin beta-2; Polyclonal Antibody; Anti-CD18 Antibody; 95 subunit beta antibody; Beta 2 (antigen CD18 (p95) antibody; CD 18 antibody; CD18 antibody; CD18 antigen antibody; Cell surface adhesion glycoprotein LFA 1/CR3/P150; 959 beta subunit precursor) antibody; Cell surface adhesion glycoproteins LFA 1/CR3/p150 95 subunit beta antibody; Cell surface adhesion glycoproteins LFA 1/CR3/p150; Cell surface adhesion glycoproteins LFA 1/CR3/p15095 beta subunit antibody; Cell surface adhesion glycoproteins LFA-1/CR3/p150 antibody; Complement component 3 receptor 3 and 4 subunit antibody; Complement receptor C3 beta subunit antibody; Complement receptor C3 subunit beta antibody; Integrin beta 2 antibody; Integrin beta chain beta 2 antibody; Integrin beta-2 antibody; Integrin; beta 2 (complement component 3 receptor 3 and 4 subunit) antibody; ITB2_HUMAN antibody; ITGB 2 antibody; ITGB2 antibody; LAD antibody; LCAMB antibody; Leukocyte associated antigens CD18/11A; CD18/11B; CD18/11C antibody; Leukocyte Cell Adhesion Molecule CD18 antibody; LFA 1 antibody; LFA1 antibody; Lymphocyte function associated antigen 1 antibody; MAC 1 antibody; MAC1 antibody; Macrophage antigen 1 (mac1) beta subunit antibody; MF17 antibody; MFI7 antibody; OTTHUMP00000115278 antibody; OTTHUMP00000115279 antibody; OTTHUMP00000115280 antibody; OTTHUMP00000115281 antibody; OTTHUMP00000115282 antibody; integrin; beta 2 (complement component 3 receptor 3 and 4 subunit); anti-ITGB2 antibody

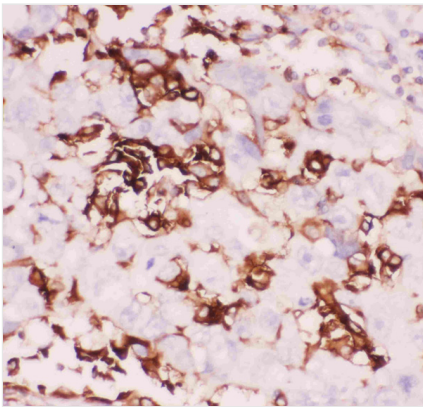
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	769
Applicable Applications for anti-ITGB2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human CD18 recombinant protein (Position: Q404-S769). Human CD18 shares 76% amino acid (aa) sequence identity with mouse CD18.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

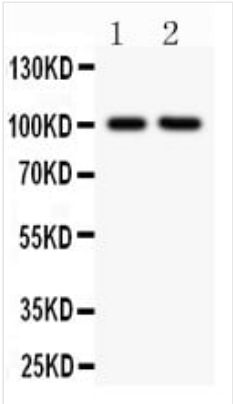
IMAGES



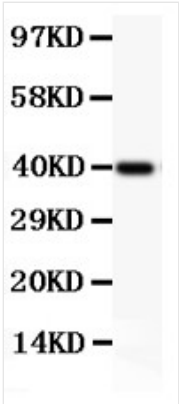
ICC (Immunocytochemistry)
Anti-CD18 Picoband antibody, AAA46014-1, ICCICC: SMMC7721 Cell



IHC (Immunohistochemistry)
Anti-CD18 Picoband antibody, AAA46014, IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohiostchemistry)
Anti-CD18 Picoband antibody, AAA46014, IHC(P)All lanes: Anti CD18 (AAA46014) at 0.5ug/mlLane 1: JURKAT Whole Cell Lysate at 40ugLane 2: CEM Whole Cell Lysate at 40ugPredicted bind size: 85KDObserved bind size: 100KD



WB (Western Blot)
Anti-CD18 Picoband antibody, AAA46014, Western blottingAll lanes: Anti CD18 (AAA46014) at 0.5ug/mlWB: Recombinant Human CD18 Protein 0.5ngPredicted bind size: 40KDObserved bind size: 40KD

ADDITIONAL INFORMATION

Related Product Information for anti-ITGB2 antibody	Description: Rabbit IgG polyclonal antibody for Integrin beta-2(ITGB2) detection. Tested with WB, IHC-P in Human. Background: ITGB2(INTEGRIN, BETA-2), also known as CD18, is a protein that in humans is encoded by the ITGB2 gene. ITGB2 is an integrin protein that belongs to the class of cell membrane glycoproteins. The beta-2 integrin chain gene is designated ITGB2 and the leukocyte antigen has been designated CD18. The ITGB2 gene is mapped to 21q22.3. The expression of CD18 is increased in lymphoblastoid cells from persons with Down syndrome, consistent with the location of the gene on chromosome 21. In humans lack of ITGB2 causes Leukocyte Adhesion Deficiency, a disease defined by a lack of leukocyte extravasation from blood into tissues. Although ITGB2 is expressed on the cell surface at normal levels and is capable of function following extracellular stimulation, it could not be activated via the 'inside-out' signaling pathways.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	89191865
NCBI GeneID	3689
NCBI Accession #	NP_000202.2
NCBI GenBank Nucleotide #	NM_000211.3
UniProt Accession #	P05107; Q16418; Q53HS5; Q9UD72; B3KTS8; D3DSM1
Molecular Weight	84,782 Da

NCBI Official Full Name	integrin beta-2
NCBI Official Synonym Full Names	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
NCBI Official Symbol	ITGB2
NCBI Official Synonym Symbols	LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1
NCBI Protein Information	integrin beta-2; integrin beta chain, beta 2; complement receptor C3 beta-subunit; leukocyte cell adhesion molecule CD18; leukocyte-associated antigens CD18/11A, CD18/11B, CD18/11C; cell surface adhesion glycoprotein (LFA-1/CR3/P150,959 beta subunit precursor)
UniProt Protein Name	Integrin beta-2
UniProt Gene Name	ITGB2
UniProt Synonym Gene Names	CD18; MFI7
UniProt Entry Name	ITB2_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-2-antibody-immunohistochemistry-western-blot-elisa/46014>