

Rabbit Integrin alpha 6/ITGA6 Polyclonal Antibody | anti-ITGA6 antibody

Anti-Integrin alpha 6/ITGA6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125169	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Integrin alpha 6/ITGA6; Polyclonal Antibody; Anti-Integrin alpha 6/ITGA6 Antibody; Integrin alpha-6; integrin; alpha 6; CD49 antigen-like family member F; VLA-6; CD49f; Alpha6p; ITGA6; anti-ITGA6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized; Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄
Sequence Length	1073
Applicable Applications for anti-ITGA6 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E.Coli-derived human Integrin alpha 6/ITGA6 recombinant protein (Position: Q189-K917). Human Integrin alpha 6/ITGA6 shares 88.6% and 88.2% amino acid (aa) sequence identity with mouse and rat Integrin alpha 6/ITGA6, respectively.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	We recommend Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot.
Preparation and Storage	Storage: At -20 degrees C for one year and at 4 degrees C for one month from the date of receipt. Avoid repeated freezing and thawing.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA6 antibody	Background: Integrin alpha-6, also called VLA-6 or ITGA6B is a protein that in humans is encoded by the ITGA6 gene. This gene is mapped to 2q31.1. The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Integrin alpha-6/beta-1 is a receptor for laminin on platelets. Integrin alpha-6/beta-4 is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome.
References	1. Notta, F., Doulatov, S., Laurenti, E., Poepl, A., Jurisica, I., Dick, J. E. Isolation of single human hematopoietic stem cells capable of long-term multilineage engraftment. Science 333: 218-221, 2011. 2. Ruzzi, L., Gagnoux-Palacios, L., Pinola, M., Belli, S., Meneguzzi, G., Zambruno, G., D'Alessio, M. A homozygous mutation in the gene encoding integrin alpha6 in junctional epidermolysis bullosa with pyloric atresia. (Abstract) Medizinische Genetik 9: 13-14, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395742
NCBI GeneID	3655
NCBI Accession #	NP_000201.2
NCBI GenBank Nucleotide #	NP_000201.2
UniProt Accession #	P23229
NCBI Official Full Name	integrin alpha-6 isoform b preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 6
NCBI Official Symbol	ITGA6
NCBI Official Synonym Symbols	CD49f; VLA-6; ITGA6B
NCBI Protein Information	integrin alpha-6
UniProt Protein Name	Integrin alpha-6
UniProt Gene Name	ITGA6
UniProt Entry Name	ITA6_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://www.aaabiotech.com/polyclonal/integrin-alpha-6-itga6-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125169>