

Rabbit Integrin alpha 6 Monoclonal Antibody | anti-ITGA6 antibody

Anti-Integrin alpha 6 Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47073	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry

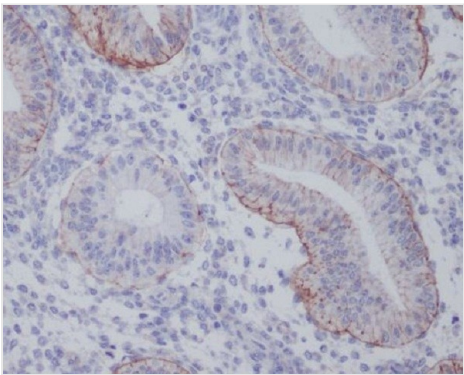
PRODUCT SYNONYMS

Integrin alpha 6; Monoclonal Antibody; Anti-Integrin alpha 6 Rabbit Monoclonal Antibody; Integrin alpha-6; CD49 antigen-like family member F; VLA-6; CD49f; Integrin alpha-6 heavy chain; Integrin alpha-6 light chain; Processed integrin alpha-6; Alpha6p; ITGA6; anti-ITGA6 antibody

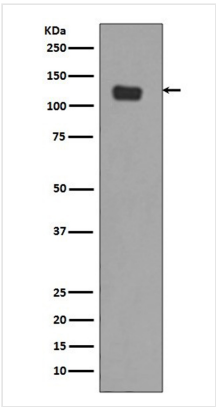
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	1,097
Applicable Applications for anti-ITGA6 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human Integrin alpha 6
Subcellular Localization	Cell membrane; Single-pass type I membrane protein. Cell membrane; Lipid-anchor.
Tissue Specificity	Integrin alpha-6/beta-4 is predominantly expressed by epithelia. Isoforms containing segment X1 are ubiquitously expressed. Isoforms containing segment X1X2 are expressed in heart, kidney, placenta, colon, duodenum, myoblasts and myotubes, and in a limited number of cell lines; they are always coexpressed with the ubiquitous isoform containing segment X1. In some tissues (e.g. Salivary gland), isoforms containing cytoplasmic segment A and isoforms containing segment B are detected while in others, only isoforms containing one cytoplasmic segment are found (segment A in epidermis and segment B in kidney).
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store 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



IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded human uterus, using Integrin alpha 6 Antibody(AAA47073)ITGA6 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-ITGA6 Antibody (AAA47073)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)
Western blot analysis of Integrin alpha 6 expression in SW480 cell lysate (AAA47073).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.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-ITGA6 monoclonal antibody 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 ITGA6

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA6 antibody	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.
Product Categories/Family for anti-ITGA6 antibody	Signal Transduction; Cytoskeleton/ECM; Basal Lamina; Signal Transduction; Cell Adhesion; Integrins; Stem Cells; embryonic Stem Cells; Surface Molecules; Hematopoietic Progenitors; Myeloid; monocytic lineage; Developmental Biology; Embryogenesis; Intracell

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395742
NCBI GeneID	3655
NCBI Accession #	NP_000201.2
NCBI GenBank Nucleotide #	NM_000210.3
UniProt Accession #	P23229; Q08443; Q0MRC7; Q14646; Q16508; Q53RX7; Q59HB7; B2RMU9; B4DG69; B4DKB8; C4AM96; G5E9H1
Molecular Weight	126606 MW
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 Synonym Gene Names	Alpha6p

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/monoclonal/integrin-alpha-6-antibody-western-blot-immunohistochemistry-elisa/47073>