

Rabbit anti-Human Integrin alpha 7 Polyclonal Antibody | anti-ITGA7 antibody

Anti-Integrin alpha 7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266126	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

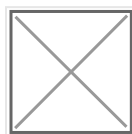
PRODUCT SYNONYMS

Integrin alpha 7; Polyclonal Antibody; Anti-Integrin alpha 7 Antibody; anti-ITGA7 antibody

PRODUCT SPECIFICATIONS

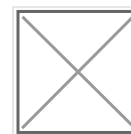
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Integrin alpha 7 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-ITGA7 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Integrin alpha 7. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay histogram showing U2OS cells stained with Anti-Integrin alpha 7 Antibody (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by Anti-PGK1 Antibody for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG (H&L) - AF488 at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1?g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



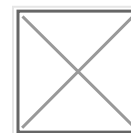
IF (Immunofluorescence)

Immunofluorescent analysis of Integrin alpha 7 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of Integrin alpha 7 staining in human skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of Integrin alpha 7 expression in Hela (A), A431 (B), Jurkat (C) whole cell lysates. (Predicted band size: 128 kD; Observed band size: 129 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA7 antibody	Rabbit polyclonal antibody to Integrin alpha 7
Product Categories/Family for anti-ITGA7 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	222418613
NCBI GeneID	3679
NCBI Accession #	NP_001138468.1
NCBI GenBank Nucleotide #	NM_001144996.1
UniProt Accession #	Q13683; O43197; Q86W93; Q9NY89; Q9UET0; Q9UEV2; B4E3U0; C9JMD3; C9JMZ6
Molecular Weight	128,948 Da
NCBI Official Full Name	integrin alpha-7 isoform 1
NCBI Official Synonym Full Names	integrin, alpha 7
NCBI Official Symbol	ITGA7
NCBI Protein Information	integrin alpha-7; integrin alpha 7 chain
UniProt Protein Name	Integrin alpha-7
UniProt Gene Name	ITGA7
UniProt Entry Name	ITA7_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/integrin-alpha-7-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/266126>