

Datasheet for ABIN6243591
anti-ITGA7 antibody (C-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	ITGA7
Binding Specificity:	AA 1149-1181, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ITGA7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1149-1181 amino acids from the C-terminal region of human ITGA7.
Clone:	RB52832
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ITGA7
Alternative Name:	ITGA7 (ITGA7 Products)
Background:	Integrin alpha-7/beta-1 is the primary laminin receptor on skeletal myoblasts and adult

Target Details

myofibers. During myogenic differentiation, it may induce changes in the shape and mobility of myoblasts, and facilitate their localization at laminin-rich sites of secondary fiber formation. It is involved in the maintenance of the myofibers cytoarchitecture as well as for their anchorage, viability and functional integrity. Isoform Alpha-7X2B and isoform Alpha-7X1B promote myoblast migration on laminin 1 and laminin 2/4, but isoform Alpha-7X1B is less active on laminin 1 (In vitro). Acts as Schwann cell receptor for laminin-2. Acts as a receptor of COMP and mediates its effect on vascular smooth muscle cells (VSMCs) maturation (By similarity). Required to promote contractile phenotype acquisition in differentiated airway smooth muscle (ASM) cells.

Molecular Weight: 128948

UniProt: [Q13683](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: WB: 1:8000. WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

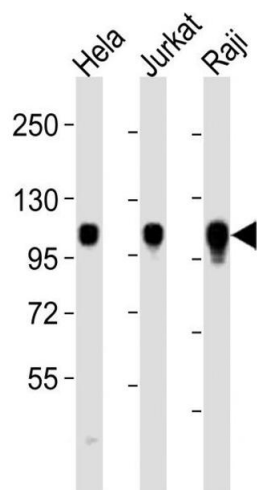
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months

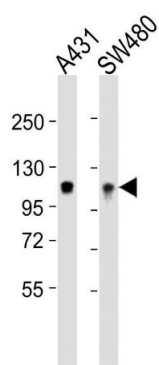
Publications

Product cited in: Ming, Fu, Zhang, Qin, Cao, Chan, Ma, Xie, Guan: "Integrin $\alpha 7$ is a functional cancer stem cell surface marker in oesophageal squamous cell carcinoma." in: **Nature communications**, Vol. 7, pp. 13568, (2018) ([PubMed](#)).



Western Blotting

Image 1. All lanes : Anti-ITGA7 Antibody (C-term) at 1:2000 dilution Lane 1: HeLa whole cell lysates Lane 2: Jurkat whole cell lysates Lane 3: Raji whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 129 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 2. All lanes : Anti-ITGA7 Antibody (C-term) at 1:8000 dilution Lane 1: A431 whole cell lysates Lane 2: S whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 129 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.