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Datasheet for ABIN7267939
anti-ITGA7 antibody (AA 880-1020)

1 Image

Overview

Quantity:	100 µL
Target:	ITGA7
Binding Specificity:	AA 880-1020
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	ITGA7 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 880-1020 of human ITGA7 (NP_002197.2).
Sequence:	QVELEGGQGP GQKGLCSRP NILHLDVDSR DRRRRELEPP EQQEPGERQE PSMSWWPVSS AEKKKNITLD CARGTANCVV FSCPLYSFDR AAVLHVWGRL WNSTFLEEYS AVKSLEVIVR ANITVKSSIK NLMLRDASTV I
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

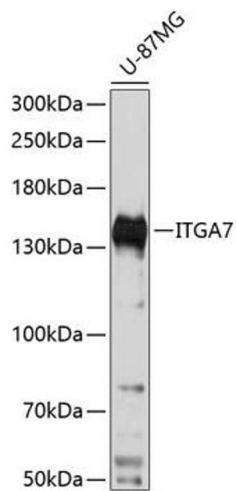
Target:	ITGA7
Alternative Name:	ITGA7 (ITGA7 Products)
Background:	<p>The protein encoded by this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. They mediate a wide spectrum of cell-cell and cell-matrix interactions, and thus play a role in cell migration, morphologic development, differentiation, and metastasis. This protein functions as a receptor for the basement membrane protein laminin-1. It is mainly expressed in skeletal and cardiac muscles and may be involved in differentiation and migration processes during myogenesis. Defects in this gene are associated with congenital myopathy. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.,ITGA7,Cancer,Invasion and Metastasis,Signal Transduction,PI3K-Akt Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Cell Adhesion,Cytoskeleton,Cardiovascular,Angiogenesis,ITGA7</p>
Molecular Weight:	114kDa/121kDa/124kDa/126kDa/128kDa
Gene ID:	3679
UniProt:	Q13683
Pathways:	Integrin Complex

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of U-87MG cells, using ITG antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.