

Datasheet for ABIN6142566
anti-ITGA6 antibody (AA 870-1010)



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1 Image

Overview

Quantity:	100 µL
Target:	ITGA6
Binding Specificity:	AA 870-1010
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 870-1010 of human Integrin alpha 6 (ITGA6/CD49f) (NP_001073286.1).
Sequence:	KVESKGLEKV TCEPQKEINS LNL TESHNSR KKREITEKQI DDNRKFSLFA ERKYQTLNCS VNVCVNIRC PLRGLDSKAS LILRSRLWNS TFLEEYSKLN YLDILMRAFI DVTAAANIR LPNAGTQVRV TVFPSKTVAQ Y
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	ITGA6
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Target Details

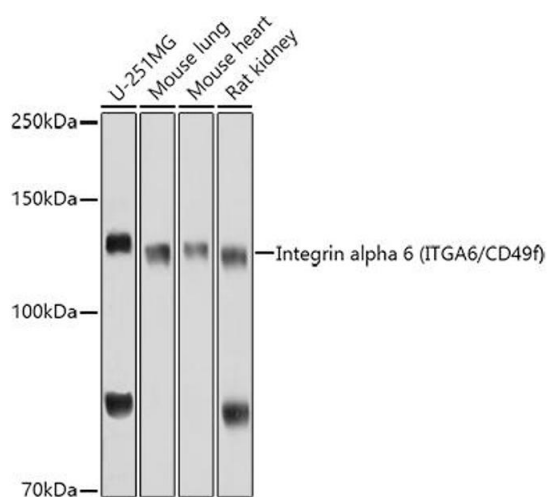
Alternative Name:	ITGA6 (ITGA6 Products)
Background:	The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 6 subunit. This subunit may associate with a beta 1 or beta 4 subunit to form an integrin that interacts with extracellular matrix proteins including members of the laminin family. The alpha 6 beta 4 integrin may promote tumorigenesis, while the alpha 6 beta 1 integrin may negatively regulate erbB2/HER2 signaling. Alternative splicing results in multiple transcript variants.,CD49f,ITGA6B,VLA-6,Integrin alpha 6,ITGA6,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,PI3K-Akt Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Cell Adhesion,Cytoskeleton,Immunology & Inflammation,CD markers,Stem Cells,Embryonic Stem Cells,Hematopoietic Progenitors,ITGA6
Molecular Weight:	106 kDa/119 kDa/121 kDa/122 kDa/124 kDa/126 kDa
Gene ID:	3655
UniProt:	P23229
Pathways:	CXCR4-mediated Signaling Events , Brown Fat Cell Differentiation , Integrin Complex

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
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 various cell lines, using Integrin alpha 6 (ITG/CD49f) antibody (ABIN6129395, ABIN6142566, ABIN6142567 and ABIN6220169) at 1:1000 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: 10s.