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Datasheet for ABIN7267922 anti-CD51 antibody

6 Images



Overview

Quantity:	100 μL
Target:	CD51 (ITGAV)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Purpose:	Integrin alpha V (ITGAV/CD51) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Integrin alpha V (ITGAV/CD51) (ITGAV/CD51)
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Target Details	
Target:	CD51 (ITGAV)

Target:	CD51 (ITGAV)
Alternative Name:	ITGAV (ITGAV Products)
Background:	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric

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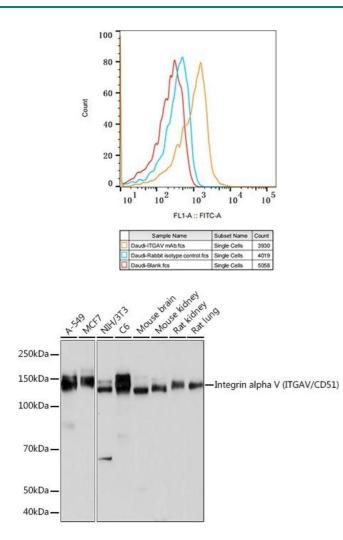
	integral membrane proteins composed of an alpha subunit and a beta subunit that function in
	cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to
	generate light and heavy chains that comprise the alpha V subunit. This subunit associates with
	beta 1, beta 3, beta 5, beta 6 and beta 8 subunits. The heterodimer consisting of alpha V and
	beta 3 subunits is also known as the vitronectin receptor. This integrin may regulate
	angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants.
	Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.
	[provided by RefSeq, Oct 2015],CD51,MSK8,VNRA,VTNR,Integrin alpha V,ITGAV,CDs,Cell Biology
	& Developmental Biology,G protein signaling,G protein signaling_G-Protein-Coupled Receptors
	Signaling to MAPK/Erk,Immunology & Inflammation,MAPK-Erk Signaling Pathway,PI3K-Akt
	Signaling Pathway, Signal Transduction, ITGAV
Molecular Weight:	125kDa
Gene ID:	3685
UniProt:	P06756
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2, Growth

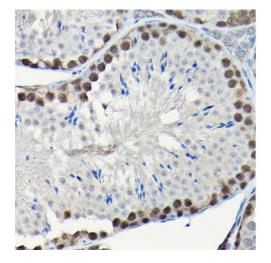
Factor Binding, Integrin Complex

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,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.

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Flow Cytometry

Image 1. Flow cytometry: Daudi cells were stained with Rabbit IgG isotype control (, $2.5 \mu g/mL$, blue line) or Integrin alpha V (ITGAV/CD51) Rabbit mAb (ABIN7267922, $2.5 \mu g/mL$ orange line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution). Non-fluorescently stained Daudi cells were used as blank control (red line).

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Integrin alpha V (ITGAV/CD51) (ITGAV/CD51) antibody (ABIN7267922) 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: 1s.

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human placenta using Integrin alpha V (ITGAV/CD51) Rabbit mAb (ABIN7267922) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 6 images are available for ABIN7267922.

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