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Datasheet for ABIN7127578 Recombinant anti-CD51 antibody

2 Images



Overview

Quantity:	100 µL
Target:	CD51 (ITGAV)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human Integrin alpha V
Clone:	5G3
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	ITGAV (ITGAV Products)
Background:	Background: The alpha-V (ITGAV) integrins are receptors for vitronectin, cytotactin, fibronectin,

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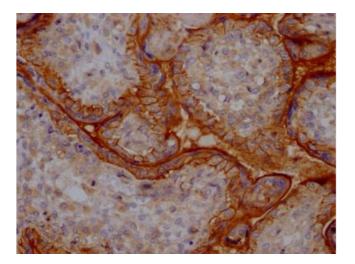
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200,
Application Details	
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2, Growth Factor Binding, Integrin Complex
UniProt:	P06756
	VNRA VTNR
	CD51) [Cleaved into: Integrin alpha-V heavy chain, Integrin alpha-V light chain], ITGAV, MSK8
	Aliases: Integrin alpha-V (Vitronectin receptor) (Vitronectin receptor subunit alpha) (CD antigen
	to FBN1 (PubMed:12807887, PubMed:17158881).
	ITGAV:ITGB6 act as a receptor for fibrillin-1 (FBN1) and mediate R-G-D-dependent cell adhesion
	enhanced ligand binding to site 1 (PubMed:18635536, PubMed:25398877). ITGAV:ITGB3 and
	the classical ligand-binding site (site 1) and this induces integrin conformational changes and
	(PubMed:19578119). ITGAV:ITGB3 binds to PLA2G2A via a site (site 2) which is distinct from
	(PubMed:18441324). ITGAV:ITGB3 binds to IGF1 and this binding is essential for IGF1 signaling
	ITGAV:ITGB3 binds to FGF1 and this binding is essential for FGF1 signaling
	domain) and this binding is essential for NRG1-ERBB signaling (PubMed:20682778).
	dependent fractalkine signaling (PubMed:23125415). ITGAV:ITGB3 binds to NRG1 (via EGF
	ITGAV:ITGB3 binds to fractalkine (CX3CL1) and may act as its coreceptor in CX3CR1-
	thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands.
	fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin,

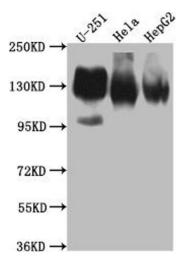
Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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Immunohistochemistry

Image 1. IHC image of ABIN7127578 diluted at 1:100 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.

Western Blotting

Image 2. Western Blot Positive WB detected in: U-251 whole cell lysate, Hela whole cell lysate, HepG2 whole cell lysate All lanes: ITGAV antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 117, 113, 112 kDa Observed band size: 130 kDa

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