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Datasheet for ABIN1944813

anti-CD51 antibody (Cleaved-Lys889)

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Overview

Quantity:	100 µg
Target:	CD51 (ITGAV)
Binding Specificity:	Cleaved-Lys889
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Isotype: IgG1

Target Details

Target: CD51 (ITGAV)

Alternative Name: ITGAV ([ITGAV Products](#))

Background: The alpha-V integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.

Molecular Weight: 116038 Da

Target Details

Gene ID:	3685
UniProt:	P06756
Pathways:	Cell-Cell Junction Organization , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Integrin Complex

Application Details

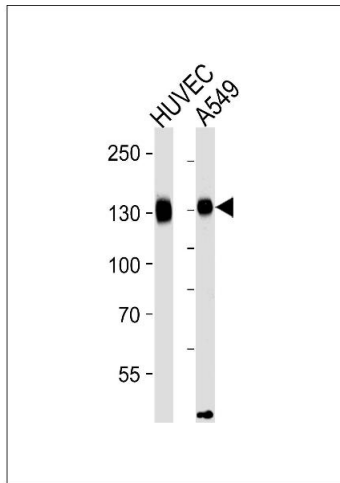
Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C,-20 °C

Publications

Product cited in:	<p>Yang, Purdy, Marzluff, Dominski: "Characterization of 3'hExo, a 3' exonuclease specifically interacting with the 3' end of histone mRNA." in: The Journal of biological chemistry, Vol. 281, Issue 41, pp. 30447-54, (2006) (PubMed).</p> <p>Kennedy, Wang, Ruvkun: "A conserved siRNA-degrading RNase negatively regulates RNA interference in <i>C. elegans</i>." in: Nature, Vol. 427, Issue 6975, pp. 645-9, (2004) (PubMed).</p>
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Western Blotting

Image 1. Western blot analysis of lysates from HUVEC, A549 cell line (from left to right), using ITGAV (heavy chain, Cleaved-Lys889) Antibody (ABIN486755 and ABIN1536136). ABIN486755 and ABIN1536136 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.