

产品名称: Integrin α V Rabbit Polyclonal Antibody
产品货号: APRab12674



产品概述 (Summary)

产品名称 (Production Name)	Integrin α V Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ITGAV
别名 (Alternative Names)	ITGAV; MSK8; VNRA; Integrin alpha-V; Vitronectin receptor subunit alpha; CD antigen CD51
基因 ID (Gene ID)	3685.0
蛋白 ID (SwissProt ID)	P06756.The antiserum was produced against synthesized peptide derived from human Integrin alphaV. AA range:755-804

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	135kDa

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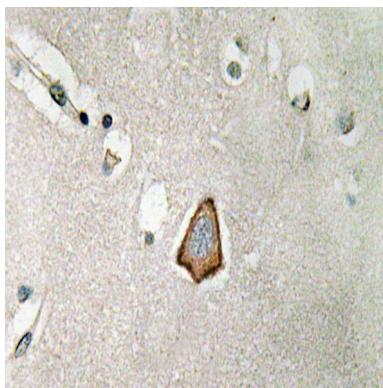
研究背景 (Background)

integrin subunit alpha V(ITGAV) Homo sapiens The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric 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],function: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.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 7 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light chain linked by a disulfide bond. Alpha-V associates with either beta-1, beta-3, beta-5, beta-6 or beta-8 subunit. Interacts with HIV-1 Tat. Alpha-V/beta-6 binds to foot-and-mouth disease virus (FMDV) VP1 protein and acts as a receptor for this virus (By similarity). Alpha-V/beta-6 binds to coxsackievirus A9 and coxsackievirus B1 capsid proteins and acts as a receptor for these viruses.,

研究领域 (Research Area)

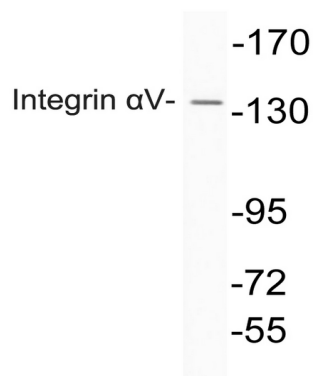
Focal adhesion;ECM-receptor interaction;Cell adhesion molecules (CAMs);Regulates Actin and Cytoskeleton;Pathways in cancer;Small cell lung cancer;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated cardiomyopathy;

图片 (Image Data)

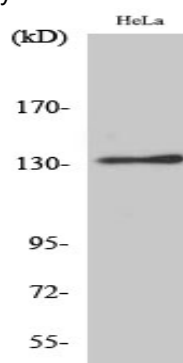


Immunohistochemistry analysis of Integrin α V antibody in paraffin-embedded human brain tissue.

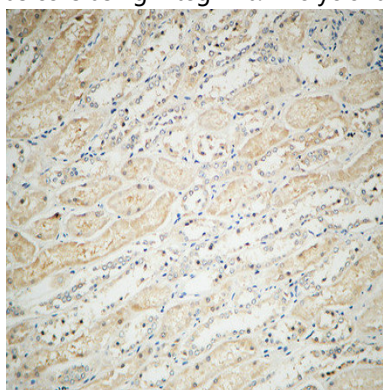
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Western blot analysis of lysate from HeLa cells, using Integrin α V antibody.

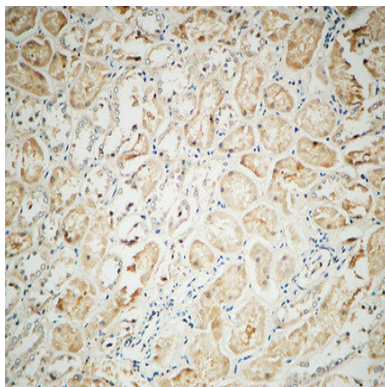


Western Blot analysis of various cells using Integrin α V Polyclonal Antibody diluted at 1: 1000

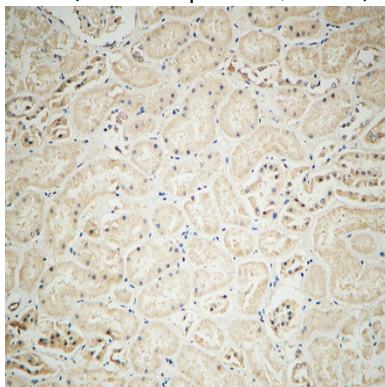


Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:100 (4°, overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min) .

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注意事项 (Note)

For research use only .