

## Integrin $\alpha$ V Polyclonal Antibody

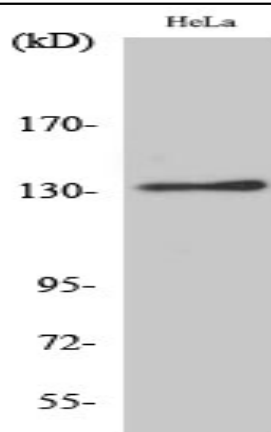
<b>Catalog No :</b>	YT2365
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Integrin $\alpha$ V
<b>Fields :</b>	>>Phagosome;>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Cell adhesion molecules;>>Regulation of actin cytoskeleton;>>Thyroid hormone signaling pathway;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Pathways in cancer;>>Proteoglycans in cancer;>>Small cell lung cancer;>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy;>>Fluid shear stress and atherosclerosis
<b>Gene Name :</b>	ITGAV
<b>Protein Name :</b>	Integrin alpha-V
<b>Human Gene Id :</b>	3685
<b>Human Swiss Prot No :</b>	P06756
<b>Mouse Gene Id :</b>	16410
<b>Mouse Swiss Prot No :</b>	P43406
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Integrin alphaV. AA range:755-804
<b>Specificity :</b>	Integrin $\alpha$ V Polyclonal Antibody detects endogenous levels of Integrin $\alpha$ V protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

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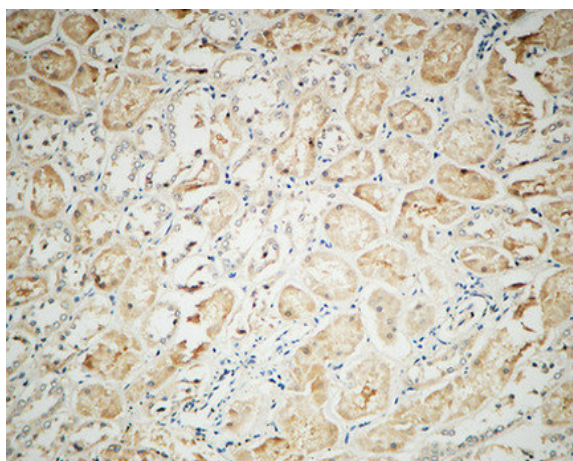
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	135kD
<b>Cell Pathway :</b>	Focal adhesion;ECM-receptor interaction;Cell adhesion molecules (CAMs);Regulates Actin and Cytoskeleton;Pathways in cancer;Small cell lung cancer;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right
<b>Background :</b>	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],
<b>Function :</b>	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 coxsack
<b>Subcellular Location :</b>	Cell membrane; Single-pass type I membrane protein. Cell junction, focal adhesion .
<b>Expression :</b>	Aortic endothelium,Liver,Pooled,Testis,

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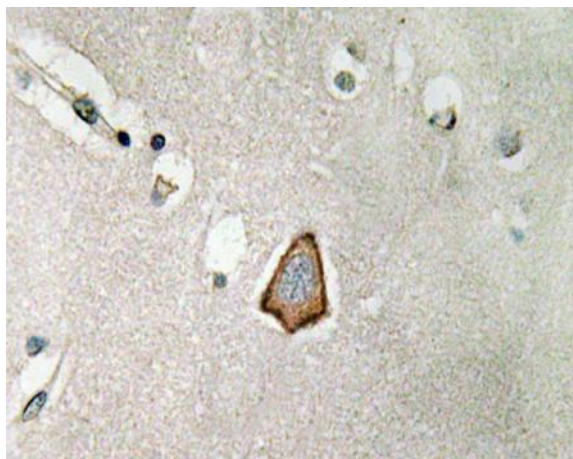
## Products Images



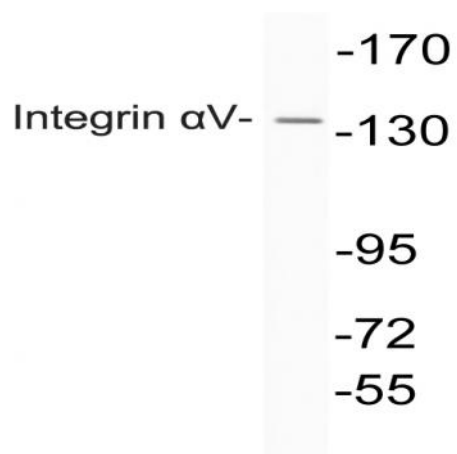
Western Blot analysis of various cells using Integrin  $\alpha$ V Polyclonal Antibody diluted at 1:1000



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).



Immunohistochemistry analysis of Integrin  $\alpha$ V antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from HeLa cells, using Integrin  $\alpha$ V antibody.