

## Cleaved-Integrin aV HC (K889) Polyclonal Antibody

Catalog No: YC0092

**Reactivity:** Human; Rat; Mouse;

**Applications:** WB;ELISA

Target: Integrin aV

Fields: >>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

Gene Name: ITGAV

**Protein Name:** Integrin alpha-V

Human Gene Id: 3685

**Human Swiss Prot** 

No:

**Mouse Swiss Prot** 

No:

Immunogen :

P43406

P06756

The antiserum was produced against synthesized peptide derived from human

ITGAV. AA range:840-889

Specificity: Cleaved-Integrin aV HC (K889) Polyclonal Antibody detects endogenous levels

of fragment of activated Integrin aV HC protein resulting from cleavage adjacent

to K889.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

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**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 95kD

**Cell Pathway:** 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

**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:** 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 footand-mouth disease virus (FMDV) VP1 protein and acts as a receptor for this virus

(By similarity). Alpha-V/beta-6 binds to coxsack

Subcellular Location:

Cell membrane; Single-pass type I membrane protein. Cell junction, focal

adhesion.

**Expression:** Aortic endothelium, Liver, Pooled, Testis,

Tag: orthogonal

**Sort :** 4220

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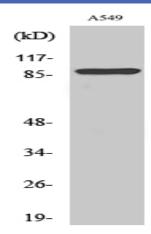


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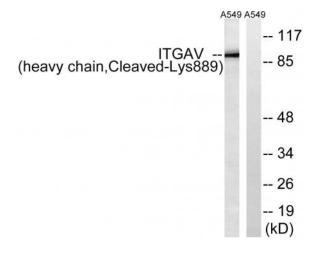
**Host:** Rabbit

Modifications: Unmodified

## **Products Images**



Western Blot analysis of various cells using Cleaved-Integrin  $\alpha V$  HC (K889) Polyclonal Antibody



Western blot analysis of lysates from A549 cells, treated with etoposide 25uM 1h, using ITGAV (heavy chain,Cleaved-Lys889) Antibody. The lane on the right is blocked with the synthesized peptide.