

# Cleaved Integrin $\alpha$ V HC (Lys889) Rabbit pAb

CatalogNo: YC0092 Orthogonal Validated 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, ELISA

### MW

- 95kD (Observed)

### Isotype

- IgG

## Storage

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

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

## Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:10000**

**Not yet tested in other applications.**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human ITGAV. AA range: 840-889

**Specificity** Cleaved-Integrin  $\alpha$ V HC (K889) Polyclonal Antibody detects endogenous levels of fragment of activated Integrin  $\alpha$ V HC protein resulting from cleavage adjacent to K889.

## Target Information

**Gene name** ITGAV MSK8 VNRA

**Protein Name** Integrin alpha-V

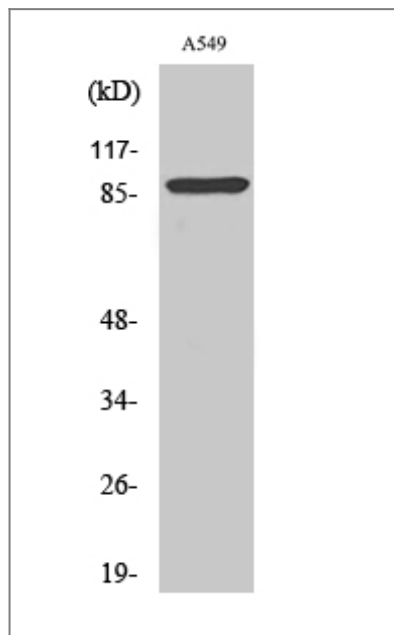
Organism	Gene ID	UniProt ID
Human	<a href="#">3685</a> ;	<a href="#">P06756</a> ;
Mouse	<a href="#">16410</a> ;	<a href="#">P43406</a> ;

**Cellular Localization** Cell membrane; Single-pass type I membrane protein. Cell junction, focal adhesion .

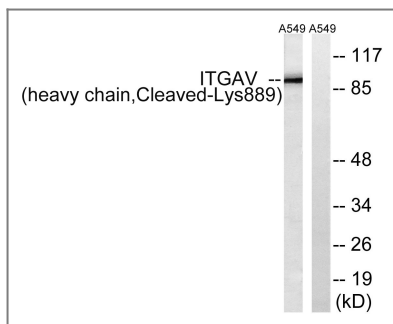
**Tissue specificity** Aortic endothelium,Liver,Pooled,Testis,

**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 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.,

## Validation Data



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.

## Contact information

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Please scan the QR code to access additional product information:  
**Cleaved Integrin  $\alpha$ V HC (Lys889) Rabbit pAb**

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