

# Integrin alpha V (ITGAV/CD51) Rabbit pAb

Catalog No.: A2091 **4 Publications**

## Basic Information

### Observed MW

130kDa

### Calculated MW

116kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IP

### Cross-Reactivity

Human, Mouse, Rat

## Background

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.

## Recommended Dilutions

**WB** 1:1000 - 1:5000**IHC-P** 1:50 - 1:200**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

3685

### Swiss Prot

P06756

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 950-1048 of human Integrin alpha V (ITGAV/CD51) (NP\_002201.1).

### Synonyms

CD51; MSK8; VNRA; VTNR; Integrin alpha V (ITGAV/CD51)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

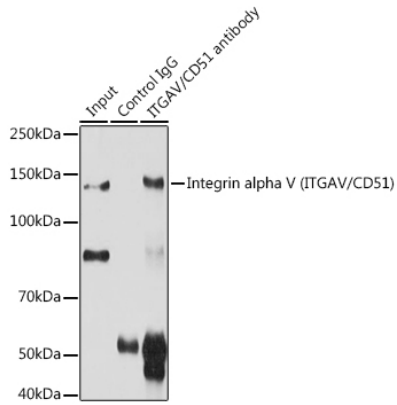
Affinity purification

### Storage

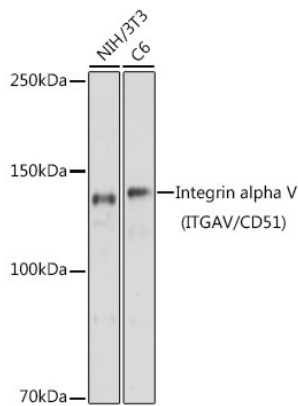
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Immunoprecipitation analysis of 200 µg extracts of C6 cells using 3 µg Integrin alpha V (ITGAV/CD51) antibody (A2091). Western blot was performed from the immunoprecipitate using Integrin alpha V (ITGAV/CD51) antibody (A2091) at a dilution of 1:2000.



Western blot analysis of various lysates using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091) at 1:3000 dilution.

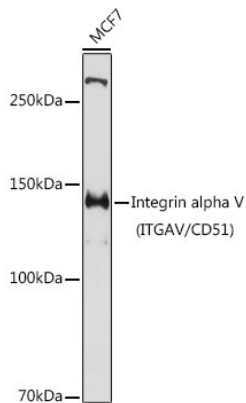
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



Western blot analysis of lysates from MCF7 cells, using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091) at 1:3000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

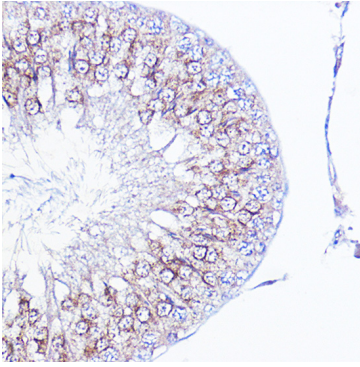
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded rat testis using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.