

Integrin alpha V (ITGAV/CD51) Rabbit pAb

Catalog No.: A2091SP

5 Publications

Basic Information

Observed MW

140 kDa

Calculated MW

111 kDa/112 kDa/116 kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

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 1:500 - 1:5000**IHC-P** 1:500 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

3685

Swiss Prot

P06756

Immunogen

This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

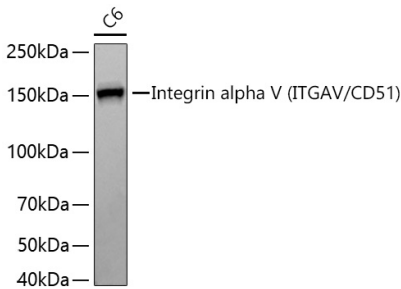
Storage

Store at -20°C

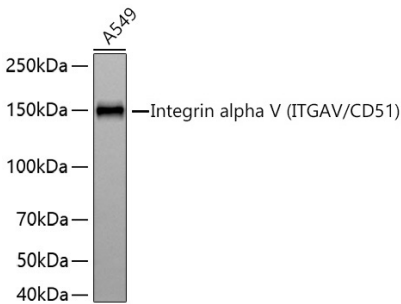
Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

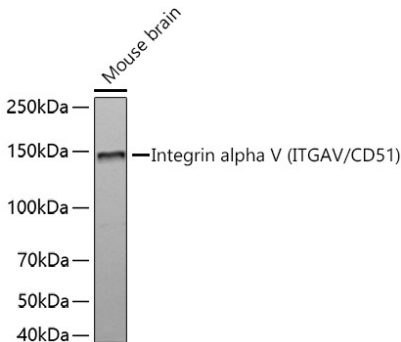
Validation Data



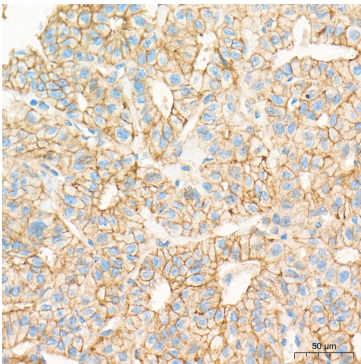
Western blot analysis of lysates from C6 cells using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 15 s.



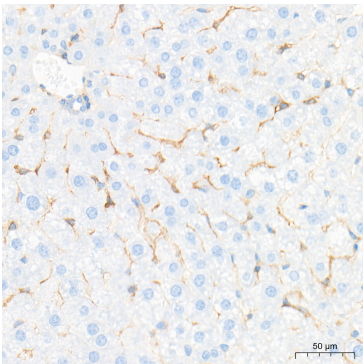
Western blot analysis of lysates from A549 cells using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



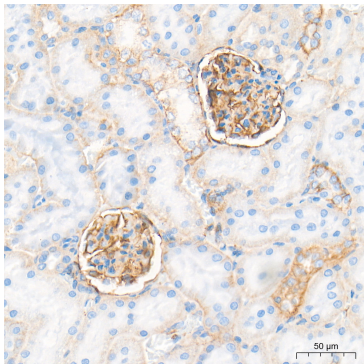
Western blot analysis of lysates from Mouse brain using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with

Validation Data

performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.	0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.	0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
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