

Integrin alpha V (ITGAV/CD51) Rabbit mAb

Catalog No.: A19071 **Recombinant** **5 Publications**

Basic Information

Observed MW

140kDa

Calculated MW

116kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, FC (intra)

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC50621

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 - 1:1000
IHC-P	1:50 - 1:200
FC (intra)	1:50 - 1:200

Immunogen Information

Gene ID

3685

Swiss Prot

P06756

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 949-1048 of human Integrin alpha V (ITGAV/CD51) (NP_002201.2).

Synonyms

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

Contact

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	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

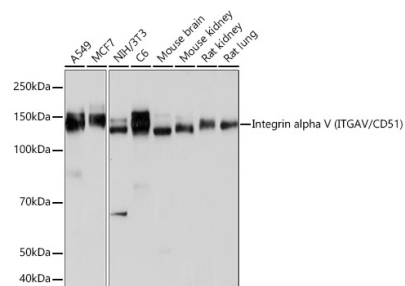
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using Integrin alpha V (ITGAV/CD51) Rabbit mAb (A19071) at 1:1000 dilution.

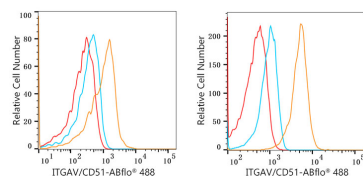
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

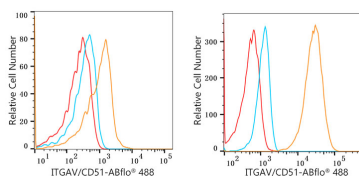
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

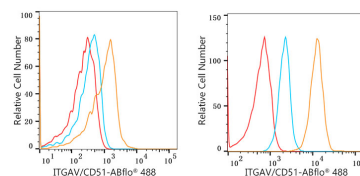
Exposure time: 1s.



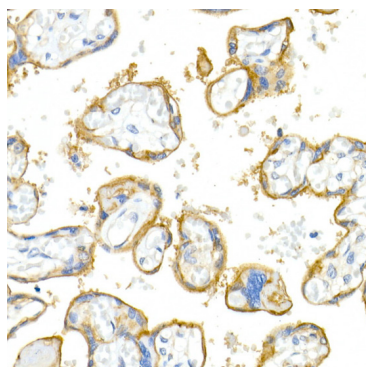
Flow cytometry: 1×10^6 Daudi cells (negative control, left) and HUVEC cells (right) were intracellularly-stained with Integrin alpha V (ITGAV/CD51) Rabbit mAb (A19071, 2.5 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2.5 µg/mL, blue line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 Daudi cells (negative control, left) and BEWO cells (right) were intracellularly-stained with Integrin alpha V (ITGAV/CD51) Rabbit mAb (A19071, 2.5 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2.5 µg/mL, blue line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 Daudi cells (negative control, left) and U-251MG cells (right) were intracellularly-stained with Integrin alpha V (ITGAV/CD51) Rabbit mAb (A19071, 2.5 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2.5 µg/mL, blue line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).



Immunohistochemistry analysis of paraffin-embedded human placenta using Integrin alpha V (ITGAV/CD51) Rabbit mAb (A19071) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.