

A2091

Leader in Biomolecular Solutions for Life Science



Integrin alpha V (ITGAV/CD51) Rabbit pAb

Catalog No.: A2091

4 Publications

Basic Information

Observed MW

130kDa

Calculated MW

116kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IP,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 1:1000 - 1:5000

IHC-P 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts
of whole cells

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

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)

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

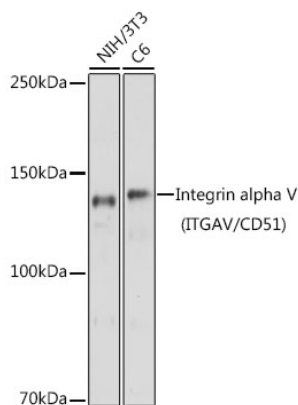
Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

Contact

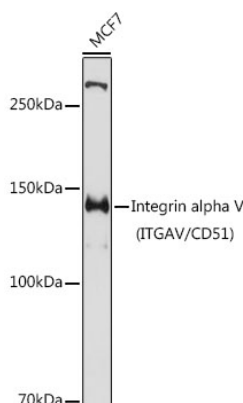


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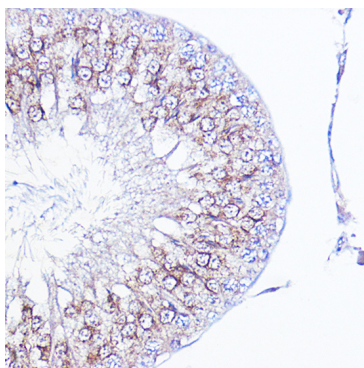
Validation Data



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

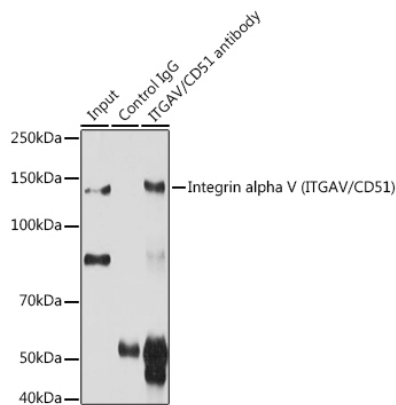


Western blot analysis of lysates from MCF7 cells, using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091) at 1:3000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Rat testis using Integrin alpha V (ITGAV/CD51) Rabbit pAb (A2091) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

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.