Integrin alpha V (ITGAV/CD51) Monoclonal Antibody

CAB19071

Description

This Integrin alpha V (ITGAV/CD51) Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB19071
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	CD51, MSK8, VNRA, VTNR, Integrin alpha V (ITGAV/CD51)
Clone:	ARC50621
Applications:	WB IHC-P ELISA FC (intra)
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	3685
Uniprot:	AB_2862563
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	140kDa
Calculated MW:	116kDa

Preparation & Storage

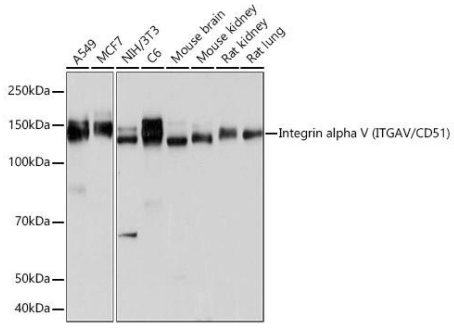
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. Store Bradford Reagent at Room Temperature for 1 Year.
Positive Sample:	A549, MCF7, NIH/3T3, C6, Mouse brain, Mouse kidney, Rat kidney, Rat lung

Recommended Dilutions:

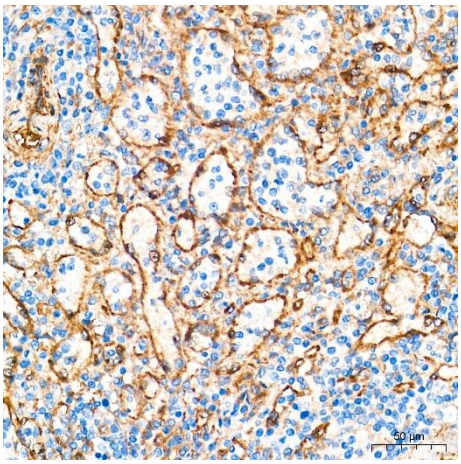
WB	1:1000 - 1:6000
IHC-P	1:1000 - 1:4000
FC	(intra) 1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

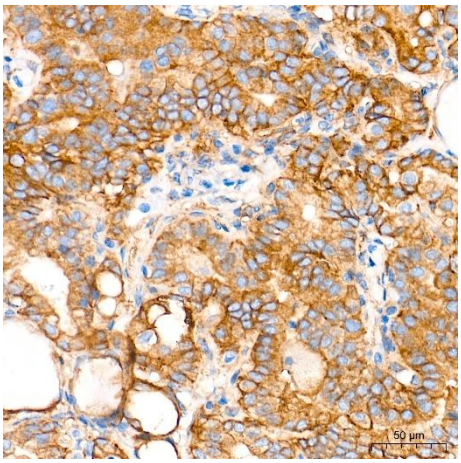
Validation Data



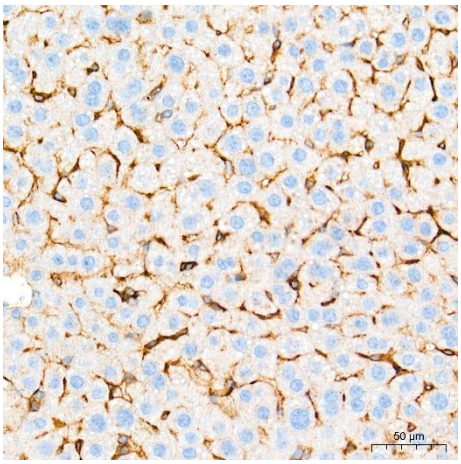
Western blot analysis of various lysates using Integrin alpha V (ITGAV/) Rabbit mAb (CAB19071) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



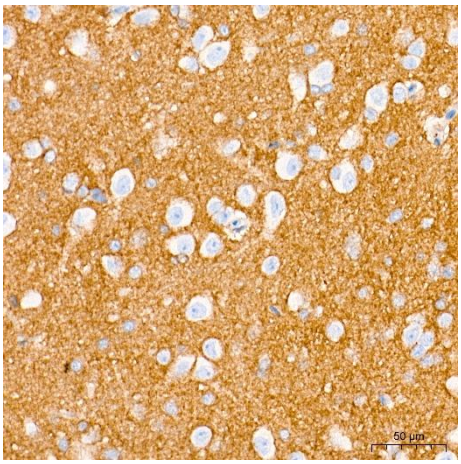
Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Integrin alpha V (ITGAV/) Rabbit mAb (CAB19071) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



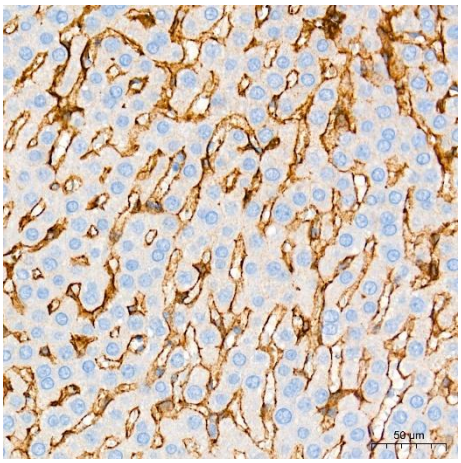
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using Integrin alpha V (ITGAV/) Rabbit mAb (CAB19071) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



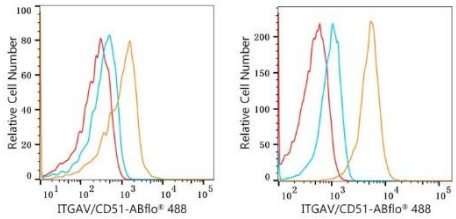
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Integrin alpha V (ITGAV/) Rabbit mAb (CAB19071) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



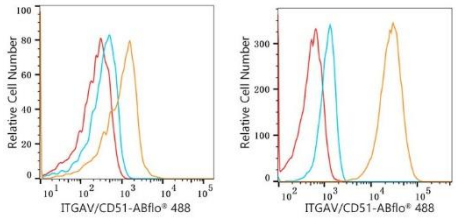
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Integrin alpha V (ITGAV/) Rabbit mAb (CAB19071) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



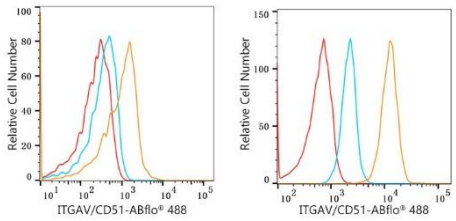
Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Integrin alpha V (ITGAV/) Rabbit mAb (CAB19071) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Flow cytometry:1X10^6 Daudi cells (negative control,left) and HUVEC cells (right) were intracellularly-stained with Integrin alpha V (ITGAV/) Rabbit mAb(CAB19071, 2.5 µg/mL,orange line) or Rabbit IgG isotype control (CABC042, 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:1X10^6 Daudi cells cells (negative control,left) and BEWO cells (right) were intracellularly-stained with Integrin alpha V (ITGAV/) Rabbit mAb(CAB19071, 2.5 µg/mL,orange line) or Rabbit IgG isotype control (CABC042, 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:1X10^6 Daudi cells (negative control,left) and U-251MG cells (right) were intracellularly-stained with Integrin alpha V (ITGAV/) Rabbit mAb(CAB19071, 2.5 µg/mL,orange line) or Rabbit IgG isotype control (CABC042, 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).