

Rabbit anti-Human Integrin alpha V (ITGAV/CD51) Monoclonal Antibody | anti-ITGAV antibody

Integrin alpha V (ITGAV/CD51) Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28480	Rabbit	Human	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Integrin alpha V (ITGAV/CD51); Monoclonal Antibody; Integrin alpha V (ITGAV/CD51) Rabbit mAb; CD51; MSK8; VNRA; VTNR; anti-ITGAV antibody

PRODUCT SPECIFICATIONS

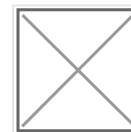
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	SLKSSASFNV IEFPYKNLPI EDITNSTLVT TNVTWGIQPA PMPVPVWVII LAVLAGLLLL AVLVFVMYRM GFFKRVPPQ EEQEREQLQP HENGEGNSET
Applicable Applications for anti-ITGAV antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 1:1000-1:6000 IHC-P: 1:1000-1:4000 FC (intra): 1:50-1:200 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 949-1048 of human Integrin alpha V (ITGAV/CD51)(NP_002201.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



FCM (Flow Cytometry)

Flow cytometry: 1X10⁶ Daudi cells (negative control, left) and U-251MG cells (right) were intracellularly-stained with Integrin alpha V (ITGAV/CD51) Rabbit mAb(AAA28480, 2.5 ug/mL, orange line) or Rabbit IgG isotype control (AC042, 2.5 ug/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).



FCM (Flow Cytometry)

Flow cytometry: 1X10⁶ Daudi cells (negative control, left) and BEWO cells (right) were intracellularly-stained with Integrin alpha V (ITGAV/CD51) Rabbit mAb(AAA28480, 2.5 ug/mL, orange line) or Rabbit IgG isotype control (AC042, 2.5 ug/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).



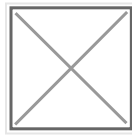
FCM (Flow Cytometry)

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 (AAA28480, 2.5 ug/mL, orange line) or Rabbit IgG isotype control (AC042, 2.5 ug/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).



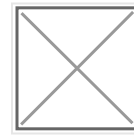
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Integrin alpha V (ITGAV/CD51) Rabbit mAb (AAA28480) 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.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Integrin alpha V (ITGAV/CD51) Rabbit mAb (AAA28480) 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.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Integrin alpha V (ITGAV/CD51) Rabbit mAb (AAA28480) 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.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGAV antibody	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.
Product Categories/Family for anti-ITGAV antibody	Signal Transduction; G protein signaling; G-Protein-Coupled Receptors Signaling to MAPK Erk; PI3K-Akt Signaling Pathway; MAPK-Erk Signaling Pathway; Cell Biology Developmental Biology; Immunology Inflammation ; CD's; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468595
NCBI GeneID	3685
NCBI Accession #	NP_001138471.1
NCBI GenBank Nucleotide #	NM_001144999.2
UniProt Accession #	P06756; Q53SK4; Q59EB7; Q6LD15; A0AV67; B0LPF4; B7Z883; D3DPG8; E7EWZ6
Molecular Weight	Calculated MW: 116kDa Observed MW: 140kDa
UniProt Protein Name	Integrin alpha-V
UniProt Gene Name	ITGAV
UniProt Synonym Gene Names	MSK8; VNRA
UniProt Entry Name	ITAV_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/integrin-alpha-v-itgav-cd51-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/28480>