

Rabbit MVP Polyclonal Antibody | anti-MVP antibody

Anti-MVP Picoband antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19137	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

MVP; Polyclonal Antibody; Anti-MVP Picoband antibody; Major vault protein; Lung resistance-related protein; LRP; anti-MVP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Form/Format	Lyophilized
Sequence Length	893
Applicable Applications for anti-MVP antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Application Notes	WB: 0.1 - 0.5ug/ml IHC-P: 0.5 - 1ug/ml; Antigen Retrieval: By Heat IHC-Fr: 0.5 - 1ug/ml IHC: 0.5 - 1ug/ml FC: 1 - 3ug/1x10⁶ cells EIA: 0.1 - 0.5ug/ml Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin section in 10mM citrate buffer, pH6.0, for 20 minutes is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Immunogen	E Coli-derived human MVP recombinant protein (Position: A2-H259).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 8. Flow Cytometry analysis of U-87 cells using anti-MVP antibody (AAA19137).Overlay histogram showing U-87 cells stained with AAA19137 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MVP Antibody (AAA19137,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of MVP using anti-MVP antibody (AAA19137).MVP was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MVP Antibody (AAA19137) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of MVP using anti-MVP antibody (AAA19137).MVP was detected in paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MVP Antibody (AAA19137) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of Hela cells using anti-MVP antibody (AAA19137).Overlay histogram showing Hela cells stained with AAA19137 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MVP Antibody (AAA19137,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of MVP using anti-MVP antibody (AAA19137).MVP was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MVP Antibody (AAA19137) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of MVP using anti-MVP antibody (AAA19137).MVP was detected in paraffin-embedded section of human intestinal cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MVP Antibody (AAA19137) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-MVP antibody	Description: Major vault protein is a protein that in humans is encoded by the MVP gene. This gene encodes the major component of the vault complex. Vaults are multi-subunit ribonucleoprotein structures that may be involved in nucleo-cytoplasmic transport. The encoded protein may play a role in multiple cellular processes by regulating the MAP kinase, JAK/STAT and phosphoinositide 3-kinase/Akt signaling pathways. The encoded protein also plays a role in multidrug resistance, and expression of this gene may be a prognostic marker for several types of cancer. Alternatively spliced transcript variants have been observed for this gene. Protein Function: Required for normal vault structure. Vaults are multi- subunit structures that may act as scaffolds for proteins involved in signal transduction. Vaults may also play a role in nucleo- cytoplasmic transport. Down-regulates IFNG-mediated STAT1 signaling and subsequent activation of JAK. Down-regulates SRC activity and signaling through MAP kinases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	645912958
NCBI GeneID	9961
NCBI Accession #	NP_001280133.1
NCBI GenBank Nucleotide #	NM_001293204.1
UniProt Accession #	Q14764; Q96BG4; Q9BPW6; Q9BQT1; Q9UBD1

NCBI Official Full Name	major vault protein isoform 2
NCBI Official Synonym Full Names	major vault protein
NCBI Official Symbol	MVP
NCBI Official Synonym Symbols	LRP; VAULT1
NCBI Protein Information	major vault protein
UniProt Protein Name	Major vault protein
UniProt Gene Name	MVP
UniProt Synonym Gene Names	LRP; MVP

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/polyclonal/mvp-antibody-flow-cytometry-immunohistochemistry-immunocytochemistry-western-blot-elisa/19137>