

Rabbit MVP Polyclonal Antibody | anti-MVP antibody

MVP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326496	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MVP; Polyclonal Antibody; MVP Antibody; LRP; Lung resistance related protein; Lung resistance-related protein; Major vault protein; rat; homolog of; MVP_HUMAN; testicular secretory protein Li 30; VAULT 1; VAULT1; anti-MVP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MVP antibody detects endogenous levels of total MVP
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	833
Applicable Applications for anti-MVP antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MVP
Subcellular Location	Cytoplasm. Nucleus > Nuclear Pore Complex. 5% found in the nuclear pore complex. Translocates from the nucleus to the cytoplasm upon EGF treatment.
Tissue Specificity	Present in most normal tissues. Higher expression observed in epithelial cells with secretory and excretory functions, as well as in cells chronically exposed to xenobiotics, such as bronchial cells and cells lining the intestine. Overexpressed in many multidrug-resistant cancer cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (92%), Chicken (83%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using MVP Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326496 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MVP antibody	Description: 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. 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. Subunit Structure: The vault ribonucleoprotein particle is a huge (400 A x 670 A) cage structure of 12.9 MDa. It consists of a dimer of half-vaults, with each half-vault comprising 39 identical major vault protein (MVP) chains, PARP4 and one or more vault RNAs (vRNAs). Interacts with TEP1. Interacts with PTEN and activated MAPK1. The phosphorylated protein interacts with the SH2 domains of PTPN11 and SRC. Interacts with APEX1. May interact with ZNF540. Post-translational Modifications: Phosphorylated on Tyr residues after EGF stimulation. Dephosphorylated by PTPN11. Similarity: MVP 3 mediates interaction with PTEN.MVP 4 mediates interaction with PARP4.
References	Zhou H, Lin C, Zhang Y, Zhang X, Zhang C, Zhang P, Xie X, Ren Z; Journal: Cell Prolif. miR-506 enhances the sensitivity of human colorectal cancer cells to oxaliplatin by suppressing MDR1/P-gp expression.

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
Molecular Weight	Observed: 99 kDa Predicted: 100 kDa
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

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-immunohistochemistry-western-blot-elisa/326496>