

Rabbit Major Vault Protein (MVP) Monoclonal Antibody | anti-MVP antibody

Major Vault Protein (MVP)

CATALOG # AAA214860	HOST Rabbit	REACTIVITY Human. Others not tested.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Major Vault Protein (MVP); Monoclonal Antibody; Lung resistance-related protein (LRP); Major Vault Protein; MVP; VAULT1; anti-MVP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG
Clone Number	VP2897R
Specificity	Recognizes a protein of 104kDa-110kDa, characterized as major vault protein (MVP). Vaults are large ribonucleoprotein particles (RNPs) present in all eukaryotic cells. They have a complex morphology, including several small molecules of RNA, but a single protein species. The MVP accounts for >70% of their mass. Their shape is reminiscent of the nucleopore central plug. Treatment of cells with estradiol increases the amount of MVP in nuclear extract. The hormone-dependent interaction of vaults with ER is prevented in vitro by sodium molybdate. Antibodies to estrogen, progesterone and glucocorticoid receptors are able to co-immunoprecipitate the MVP. MVP is overexpressed in many neoplastic tissues and cell lines. Expression of MVP predicts a poor response to chemotherapy.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	893
Applicable Applications for anti-MVP antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human MVP protein
Positive Control	MCF-7 or HeLa Cells. Breast tumors
Cellular Localization	Cytoplasmic
Chromosome Location	16p11.2
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Major Vault Protein Rabbit Recombinant Monoclonal Antibody (VP2897R).



SDS-PAGE
SDS-PAGE Analysis Major Vault Protein Rabbit Recombinant Monoclonal Antibody (VP2897R). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MVP antibody	Recombinant Rabbit Monoclonal Antibody
References	Abbondanza C, Rossi V, Roscigno A, Gallo L, Belsito A, Piluso G, Medici N, Nigro V, Molinari AM, Moncharmont B, Puca GA: Interaction of vault particles with estrogen receptor in the MCF-7 breast cancer cell. J Cell Biol 1998; 141(6):1301-1310.; Den Boer, M.L. et al. Relationship between major vault protein/lung resistance protein, multidrug resistance-associated protein, P-glycoprotein expression, and drug resistance in childhood leukemia. Blood 91, 2092-2098 (1998).

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	104-110kDa
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/monoclonal/major-vault-protein-mvp-antibody-clone-vp2897r-immunohistochemistry-elisa/214860>