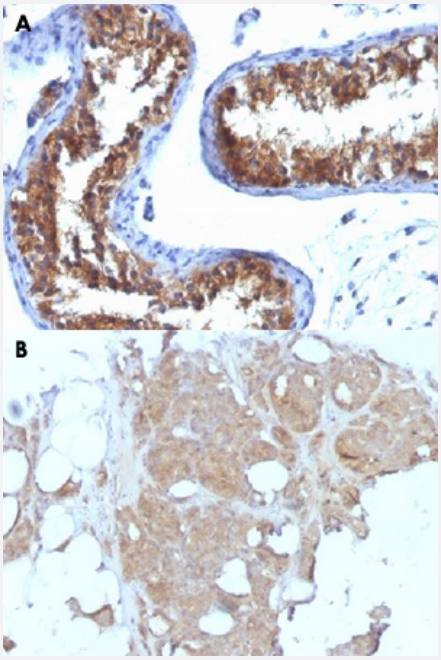
MVP monoclonal antibody, clone 1032

Catalog # MAB14424 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human testicular carcinoma and (B) human breast carcinoma with MVP monoclonal antibody, clone 1032 (Cat # MAB14424).

Specification

Product Description	Mouse monoclonal antibody raised against human MVP.
Immunogen	Proteins precipitated from human breast cancer MCF-7 cell line.
Host	Mouse
Reactivity	Human
Specificity	Recognizes a protein of 104kDa-110kDa which characterized as MVP.
Form	Liquid
Purification	Protein A/G purification

Isotype	IgG, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human testicular carcinoma and (B) human breast carcinoma with MVP monoclonal antibody, clone 1032 (Cat # MAB14424).

- Immunofluorescence

- Flow Cytometry

Gene Info — MVP

Entrez GeneID	9961
Protein Accession#	Q14764
Gene Name	MVP
Gene Alias	LRP, VAULT1
Gene Description	major vault protein
Omim ID	605088
Gene Ontology	Hyperlink

Gene Summary	This gene encodes the major vault protein which is a lung resistance-related protein. Vaults are multi-subunit structures that may be involved in nucleo-cytoplasmic transport. This protein mediates drug resistance, perhaps via a transport process. It is widely distributed in normal tissues, and overexpressed in multidrug-resistant cancer cells. The protein overexpression is a potentially useful marker of clinical drug resistance. This gene produces two transcripts by using two alternative exon 2 sequences; however, the open reading frames are the same in both transcripts. [provided by RefSeq
Other Designations	-

Publication Reference

- Interaction of vault particles with estrogen receptor in the MCF-7 breast cancer cell.

  Abbondanza C, Rossi V, Roscigno A, Gallo L, Belsito A, Piluso G, Medici N, Nigro V, Molinari AM, Moncharmont B, Puca GA.

  The Journal of Cell Biology 1998 Jun; 141(6):1301.

  Application: IP, WB-Ce, WB-Tr, Human, MCF-7 cells

- Relationship between major vault protein/lung resistance protein, multidrug resistance-associated protein, P-glycoprotein expression, and drug resistance in childhood leukemia.

  den Boer ML, Pieters R, Kazemier KM, Rottier MM, Zwaan CM, Kaspers GJ, Janka-Schaub G, Henze G, Creutzig U, Scheper RJ, Veerman AJ.

  Blood 1998 Mar; 91(6):2092.

  Application: Flow Cyt, Human, Human leukemia cells