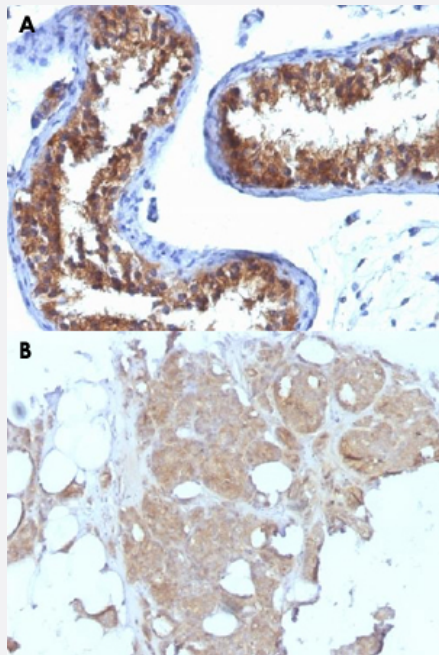


MVP monoclonal antibody, clone 1032

Catalog # MAB14710 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 # MAB14710).

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.
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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 # MAB14710).

- 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, Monchamont 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