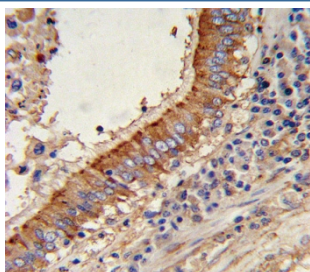


## Major Vault Protein Antibody / MVP (F54845)

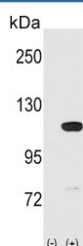
Catalog No.	Formulation	Size
F54845-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54845-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	Q14764
<b>Localization</b>	Cytoplasmic, nuclear
<b>Applications</b>	Immunohistochemistry (FFPE) : 1:10-1:50 Flow Cytometry : 1:10-1:50 (1x10e6 cells) Western Blot : 1:500-1:1000
<b>Limitations</b>	This Major Vault Protein antibody is available for research use only.



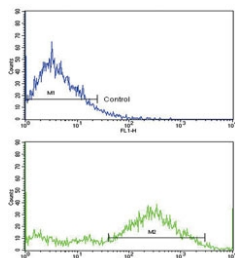
IHC testing of FFPE human lung carcinoma tissue with Major Vault Protein antibody.  
HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Major Vault Protein antibody.

kDa  
150  
100  
75  
50  
37  
25  
15

Western blot testing of human A375 cell lysate with Major Vault Protein antibody.  
Expected molecular weight: 104~110 kDa.



Flow cytometry testing of human NCI-H292 cells with Major Vault Protein antibody;  
Blue=isotype control, Green= Major Vault Protein antibody.

## Description

MVP, the major vault protein, 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.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Major Vault Protein antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 863-893 from the human protein was used as the immunogen for the Major Vault Protein antibody.

## Storage

Aliquot the Major Vault Protein antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.