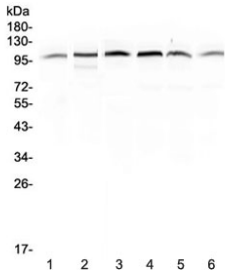
MVP Antibody / Major Vault Protein (RQ4254)

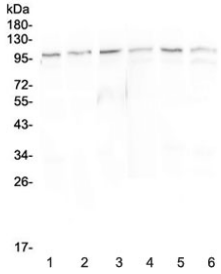
Catalog No.	Formulation	Size
RQ4254	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

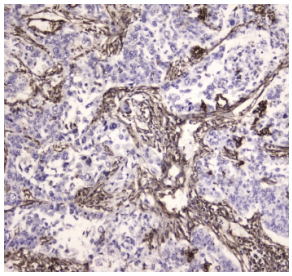
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q14764
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/10^6 cells Immunofluorescence/Immunocytochemistry (FFPE) : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This MVP antibody is available for research use only.



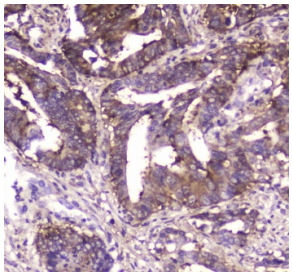
Western blot testing of human 1) placenta, 2) HepG2, 3) A549, 4) PANC-1, 5) SGC-7901 and 6) MDA-MB-231 lysate with MVP antibody at 0.5ug/ml. Observed molecular weight: 104~110 kDa.



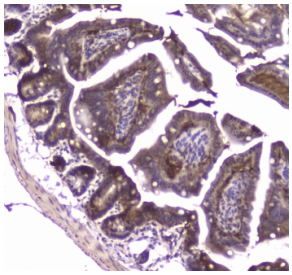
Western blot testing of 1) rat spleen, 2) rat lung, 2) rat kidney, 4) mouse spleen, 5) mouse lung and 6) mouse kidney lysate with MVP antibody at 0.5ug/ml. Observed molecular weight: 104~110 kDa.



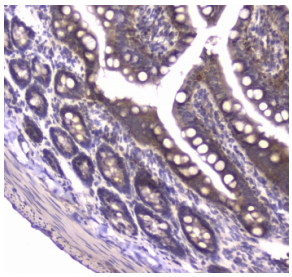
IHC testing of FFPE human lung cancer tissue with MVP antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



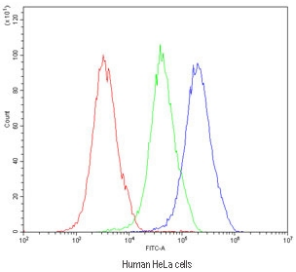
IHC testing of FFPE human intestinal cancer tissue with MVP antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



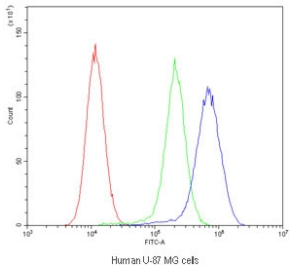
IHC testing of FFPE mouse small intestine tissue with MVP antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



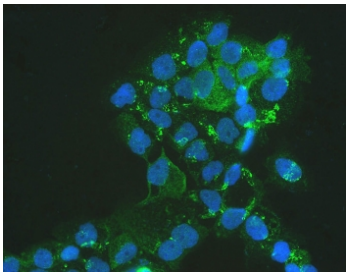
IHC testing of FFPE rat small intestine tissue with MVP antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HeLa cells with MVP antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=MVP antibody.



Flow cytometry testing of human U-87 MG cells with MVP antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=MVP antibody.



IF/ICC staining of FFPE human A431 cells with MVP antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

Major vault protein is a protein that in humans is encoded by the MVP gene. 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.

Application Notes

Optimal dilution of the MVP antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids A2-H259 was used as the immunogen for the MVP antibody.

Storage

After reconstitution, the MVP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com