

## Product datasheet

# Anti-MVP antibody ab202971

[2 Images](#)

### Overview

<b>Product name</b>	Anti-MVP antibody
<b>Description</b>	Rabbit polyclonal to MVP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human, Zebrafish
<b>Immunogen</b>	Synthetic peptide corresponding to Human MVP aa 105-135 conjugated to Keyhole Limpet Haemocyanin (KLH). Database link: <a href="#">Q14764</a>
<b>Positive control</b>	Human colon carcinoma and lung carcinoma tissues.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: 0.01% BSA, 50% Glycerol  Aqueous buffered solution.
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab202971** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

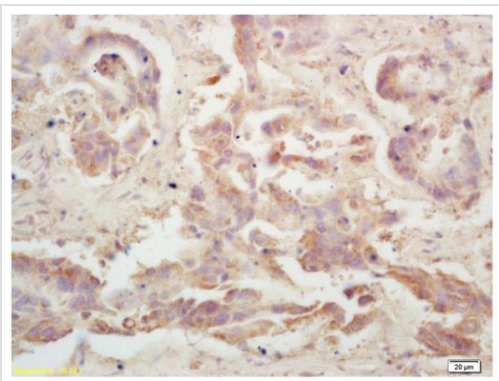
Application	Abreviews	Notes
WB		1/100 - 1/1000. Predicted molecular weight: 99 kDa.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. (or 1/50 - 1/200 using a fluorescent secondary antibody).

## Target

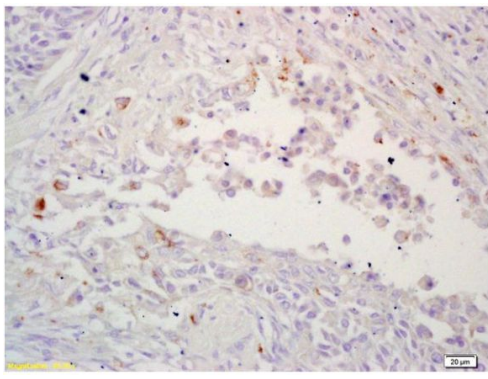
<b>Function</b>	Required for normal vault structure. Vaults are multi-subunit structures that may act as scaffolds for proteins involved in signal transduction. Vaults may also play a role in nucleo-cytoplasmic transport. Down-regulates INFG-mediated STAT1 signaling and subsequent activation of JAK. Down-regulates SRC activity and signaling through MAP kinases.
<b>Tissue specificity</b>	Present in most normal tissues. Higher expression observed in epithelial cells with secretory and excretory functions, as well as in cells chronically exposed to xenobiotics, such as bronchial cells and cells lining the intestine. Overexpressed in many multidrug-resistant cancer cells.
<b>Sequence similarities</b>	Contains 9 MVP (vault) repeats.
<b>Domain</b>	MVP 3 mediates interaction with PTEN. MVP 4 mediates interaction with PARP4.
<b>Post-translational modifications</b>	Phosphorylated on Tyr residues after EGF stimulation. Dephosphorylated by PTPN11.
<b>Cellular localization</b>	Cytoplasm. Nucleus > nuclear pore complex. 5% found in the nuclear pore complex. Translocates from the nucleus to the cytoplasm upon EGF treatment.

## Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human colon carcinoma tissue labeling MVP with ab202971 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MVP antibody (ab202971)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MVP antibody (ab202971)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human lung carcinoma tissue labeling MVP with ab202971 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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