


## Product datasheet

# Anti-MVP antibody ab97311

★★★★☆ [1 Abreviews](#) [2 References](#) [7 Images](#)

### Overview

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<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> ICC/IF, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Cow, Cat 
<b>Immunogen</b>	Recombinant fragment corresponding to Human MVP aa 158-350. Sequence:  EVV EIIQATIIRQ NQALRLRARK ECWDRDGKER VTGEEWLVTT VGAYLPAVFE EVLDLVDVAVI LTEKTALHLR ARRNFRDFRG VSRRTGEEWL VTVQDTEAHV PDVHEEVLGV VPITTLGPHN YCVILDPVGP DGKNQLGQKR VVKGEKSFFL QPGEQLEQGI QDVYVLSEQQ GLLLRALQPL EEGEDEEKVS  Database link: <a href="#">Q14764</a>

 [Run BLAST with](#)

 [Run BLAST with](#)

### General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### Properties

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<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 or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate)

Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

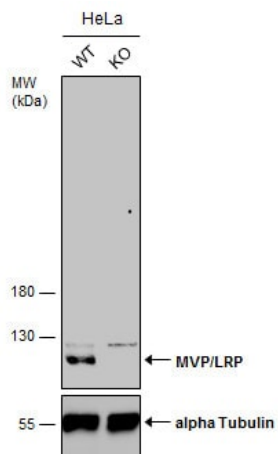
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab97311 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/1000.
WB	★ ★ ★ ★ ★ (1)	1/500 - 1/3000. Predicted molecular weight: 99 kDa.
IHC-P		1/100 - 1/1000.

## 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



Western blot - Anti-MVP antibody (ab97311)

**All lanes :** Anti-MVP antibody (ab97311) at 1/500 dilution

**Lane 1 :** WT HeLa cell extract

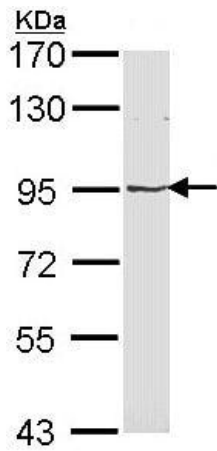
**Lane 2 :** MVP Knockout HeLa cell extracts

Lysates/proteins at 30 µg per lane.

**Secondary**

**All lanes :** HRP-conjugated anti-rabbit IgG

**Predicted band size:** 99 kDa

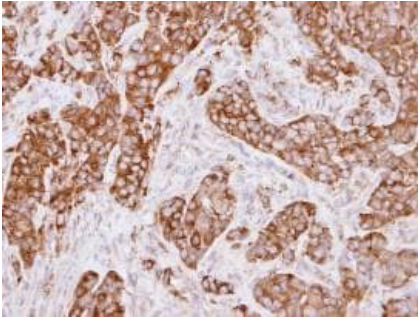


Western blot - Anti-MVP antibody (ab97311)

Anti-MVP antibody (ab97311) at 1/1000 dilution + MOLT-4 whole cell lysate at 30 µg

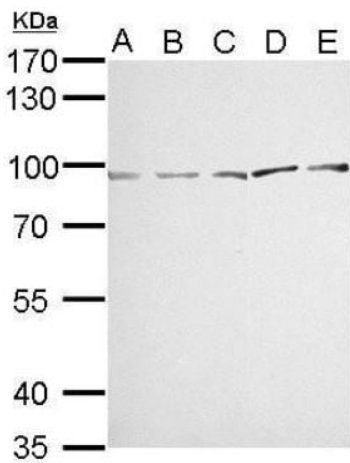
**Predicted band size:** 99 kDa

7.5% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MVP antibody (ab97311)

Immunohistochemical analysis of paraffin-embedded A549 xenograft using ab97311 at 1/500 dilution.



Western blot - Anti-MVP antibody (ab97311)

**All lanes** : Anti-MVP antibody (ab97311) at 1/1000 dilution

**Lane 1** : Neuro2A whole cell lysate

**Lane 2** : GL261 whole cell lysate

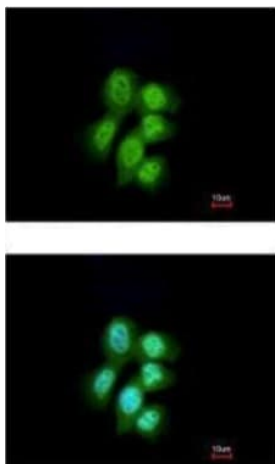
**Lane 3** : C8D30 whole cell lysate

**Lane 4** : BCL-1 whole cell lysate

**Lane 5** : Raw264.7 whole cell lysate

Lysates/proteins at 30 µg per lane.

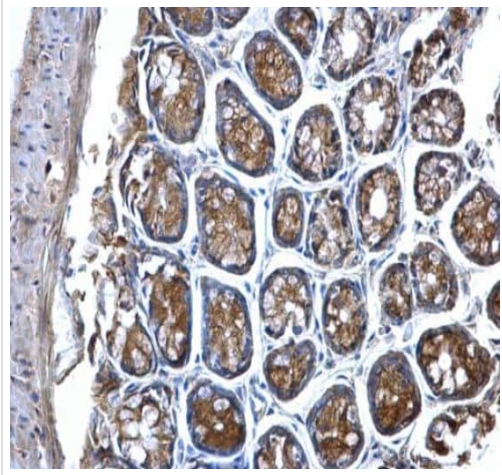
**Predicted band size:** 99 kDa



Immunocytochemistry/ Immunofluorescence - Anti-MVP antibody (ab97311)

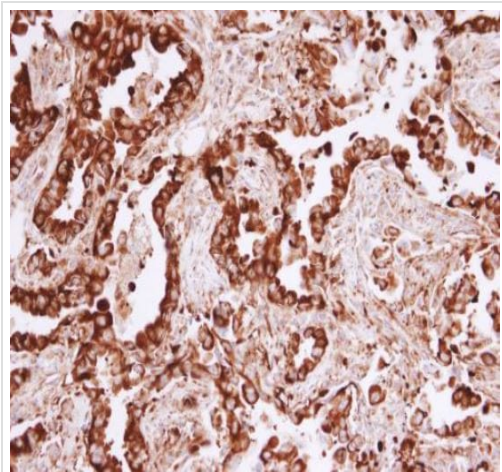
7.5% SDS-PAGE

A431 cells stained for MVP/LRP (green) using ab97311 at 1/200 dilution in ICC/IF.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MVP antibody (ab97311)

Paraffin embedded mouse colon tissue stained for MVP/LRP using ab97311 at 1/500 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MVP antibody (ab97311)

Paraffin embedded human breast carcinoma tissue stained for MVP/LRP using ab97311 at 1/500 dilution in immunohistochemical analysis.

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

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