

## Villin monoclonal antibody

Catalog: MB66105

Host: Mouse

Reactivity: Human

### BackGround:

Villin is a member of the gelsolin family of calcium-regulated actin-binding proteins. Unlike the ubiquitously expressed gelsolin, villin expression is restricted to simple epithelia of the gastrointestinal and urogenital tracts. It is localized to the apical cytoplasm and brush borders of these cells. Villin functions in the regulation of actin dynamics in the apical epithelium, capping, nucleating and/or severing actin filaments in a calcium-dependent manner and regulating cell shape in response to external stimuli. Phosphorylation of villin at Tyr60, 81, and 256 may be involved in the regulation of cell migration. Expression of villin is increased in colorectal cancers, and villin-1 function appears to be involved in progressive cholestasis and hepatic failure.

### Product:

Mouse IgG2b. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

### Molecular Weight:

~ 91 kDa

### Swiss-Prot:

P09327

### Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB (1/500 - 1/1000), IHC (1/100 - 1/300)

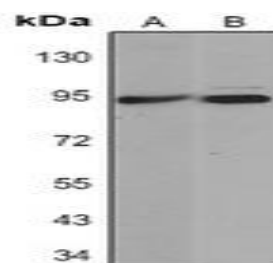
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

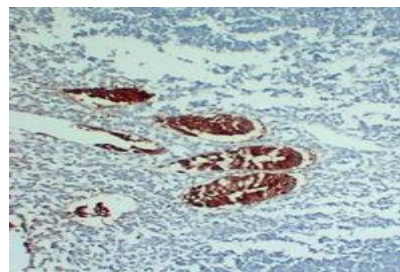
### Specificity:

Recognizes endogenous levels of Villin protein.

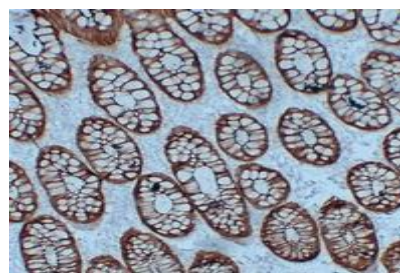
### DATA:



Western blot analysis of Villin expression in HepG2 (A), SW480 (B) whole cell lysates.



Immunohistochemical analysis of Villin staining in human appendix formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of Villin staining in human colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

with haematoxylin and mounted with DPX.

For research use only, not for use in diagnostic procedure.

Note:

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