

## Villin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50061

Clone# BP6066

**Predicted Molecular Wt:** 93kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P09327

### Background:

Villin is a 93 kDa calcium-regulated, actin-binding protein that plays a role in regulating actin filament assembly. It is a major constituent in the microvilli, which compose the brush border of epithelial cells forming absorptive surfaces of the intestinal and renal proximal tubular epithelia.

In normal human tissue, villin is expressed by a limited number of simple epithelia of the gastrointestinal and urogenital tract. In tumor tissue, it is always expressed in colorectal cancer, hepatocellular carcinoma, endometrium cancer, as well as cancers of ovary and lung.

Villin is a useful aid for classification of primary and metastatic colorectal carcinomas.

### Subcellular location:

Cytoplasm

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide corresponding to Villin residues within aa600-700 of Villin was used as an immunogen.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

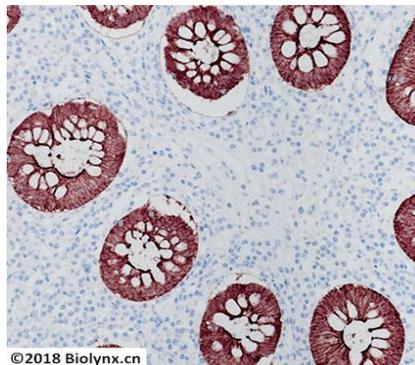
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. R Moll et al. Histochem Cell Biol (2008) 129:705–733.
2. R Moll et al. Cell, Vol. 31, 1 l-24, November 1982.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of colon tissue labelling Villin with BP6066. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.