



# Rabbit Anti-Human VIL1 Monoclonal Antibody, clone CQ7177 (CABT-Z233R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| <b>Immunogen</b>             | Synthetic peptide corresponding to Villin residues within aa600-700 of Villin was used as an immunogen. |
| <b>Isotype</b>               | IgG   |
| <b>Source/Host</b>           | Rabbit  |
| <b>Species Reactivity</b>    | Human   |
| <b>Clone</b>                 | CQ7177  |
| <b>Purification</b>          | ProA affinity purified IgG.   |
| <b>Conjugate</b>             | Unconjugated  |
| <b>Applications</b>          | IHC-P<br>Recommended concentration:<br>IHC-P: 1:100-1:200   |
| <b>Molecular Weight</b>      | 93 kDa  |
| <b>Cellular Localization</b> | Cytoplasm   |
| <b>Positive Control</b>      | Colon   |
| <b>Format</b>                | Liquid  |
| <b>Concentration</b>         | Lot specific  |
| <b>Size</b>                  | 100 µl  |

|                     |   |
|---------------------|---|
| <b>Buffer</b>       | PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%. |
| <b>Preservative</b> | 0.01% Sodium azide                                    |
| <b>Storage</b>      | Store at -20 °C. Avoid freeze/thaw cycles.            |
| <b>Ship</b>         | Wet ice   |

## BACKGROUND

**Introduction** 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.

**Keywords** VIL1; villin 1; VIL; D2S1471; villin-1

## GENE INFORMATION

|                       |                        |
|-----------------------|------------------------|
| <b>Gene Name</b>      | VIL1                   |
| <b>Entrez Gene ID</b> | <a href="#">7429</a>   |
| <b>UniProt ID</b>     | <a href="#">P09327</a> |