

**AM08413PU-N****Monoclonal Antibody to Villin-1 - Purified**

<b>Alternate names:</b>	VIL1
<b>Quantity:</b>	50 µl
<b>Background:</b>	<p>Villin can cap, nucleate, sever and bundle actin in a calcium and phosphoinositide regulated manner. It is associated with the microvillar actin core bundle of intestinal and renal brush border implicated in adsorption. Villin is composed of six repeats, each containing 150 residues that together constitute the core domain followed by the carboxyl terminal headpiece domain of 87 residues. The core domain retains the calcium dependent capping nucleating and severing activity, whereas the headpiece domain contributes towards actin filament bundling and binding F actin, independently of Calcium.</p> <p>Villin is a cytoskeletal protein of the microvilli, of epithelial cell brush borders, found in absorptive cells of the intestine and proximal renal tubes.</p>
<b>Uniprot ID:</b>	<a href="#">P09327</a>
<b>NCBI:</b>	<a href="#">NP_009058.2</a>
<b>GeneID:</b>	<a href="#">7429</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	3F392
<b>Immunogen:</b>	Human Villin protein
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Protein G Column <b>Buffer System:</b> 10 mM PBS, pH 7.4, 0.2% BSA, 15 mM sodium azide - for long term storage add 40-50% glycerol
<b>Applications:</b>	<b>Immunohistochemistry on Paraffin Sections:</b> 10 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to Villin 1 (VIL1). <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**Pictures:**

all intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)

